

CHEMISTRY THAT MATTERS™

سابك
sabic

SABIC INNOVATIVE SOLUTIONS





SABIC is a global diversified chemicals company, headquartered in Riyadh, Saudi Arabia.

Since its foundation in 1976, SABIC has sought to adapt quickly to customer needs and requirements, producing distinctly different kinds of products: chemicals, commodity and high performance plastics, and agri-nutrients.

It manufactures on a global scale in the Americas, Europe, Middle East and Asia Pacific, with innovation hubs in five key geographies – USA, Europe, Middle East, South Asia and North Asia.

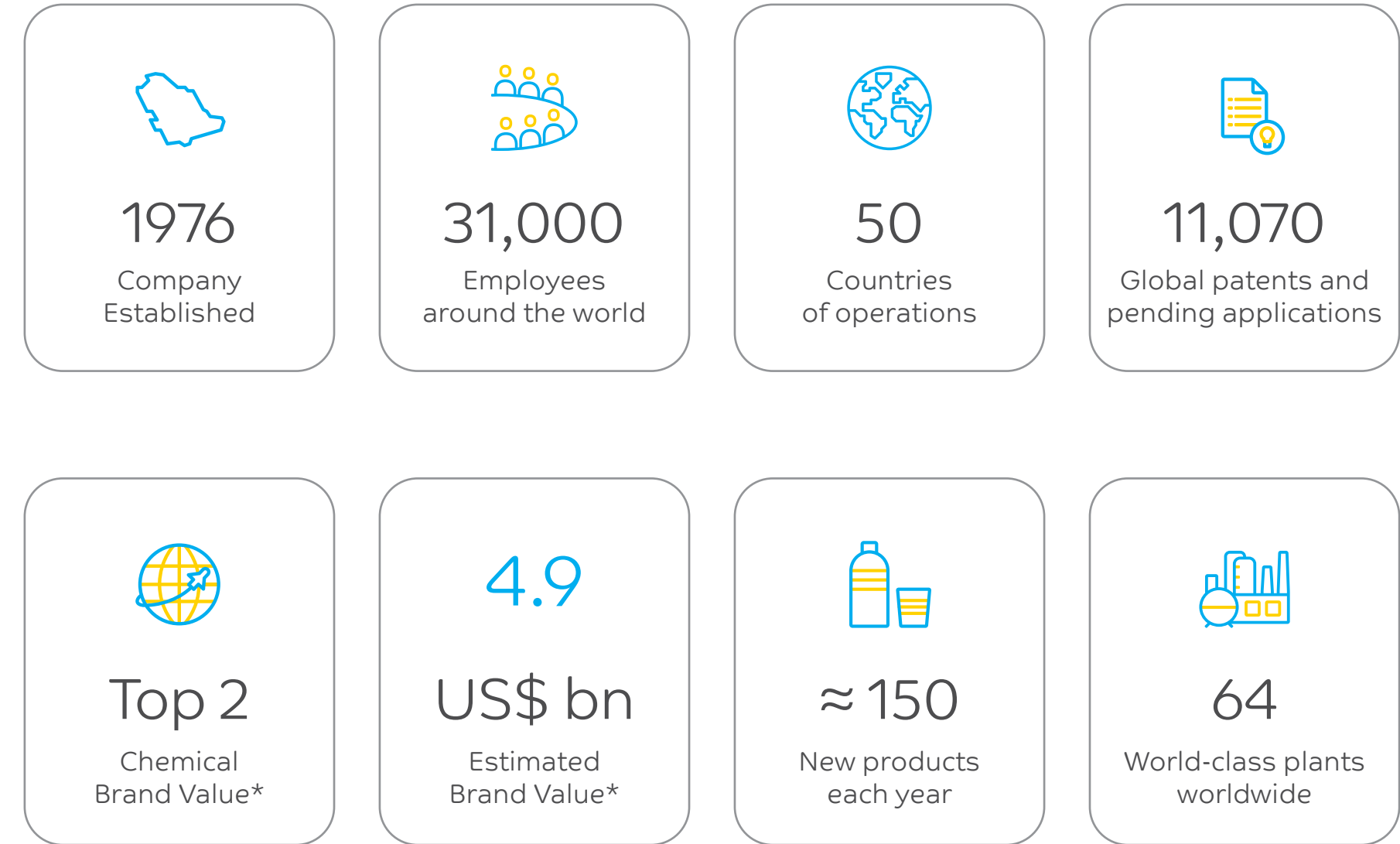
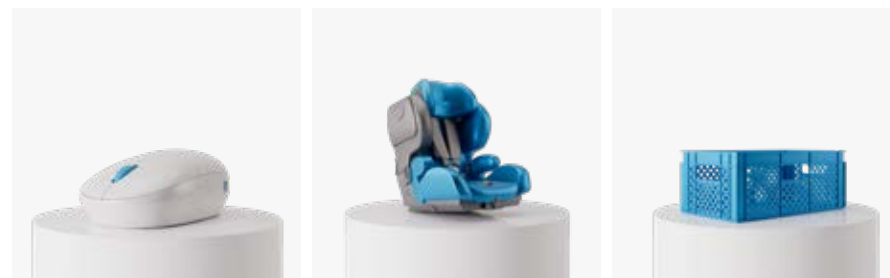
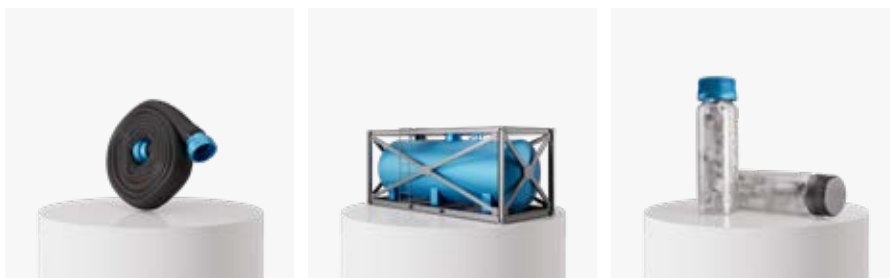


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OUR GLOBAL FOOTPRINT



MOBILITY



SABIC SOLUTIONS FOR MOBILITY

Evolving trends in the rapidly changing the mobility industry are creating demand for new solutions that advanced thermoplastics and polymers can provide. SABIC is one of the world’s leading producers of these materials, with one of the broadest portfolios available to support the aesthetic, safety and performance requirements for mobility sector.

With the industry striving to make the shift to a new era of cleaner mobility, SABIC is collaborating across the value chain to deliver the next generation of thermoplastics. This includes drawing from our existing sets of proven polymers and specialty materials to breakthrough solutions developed under our BLUEHERO™ electrification initiative and our TRUCIRCLE™ portfolio of circular solutions.

We offer two primary product portfolios, each supported by expert technical teams globally.

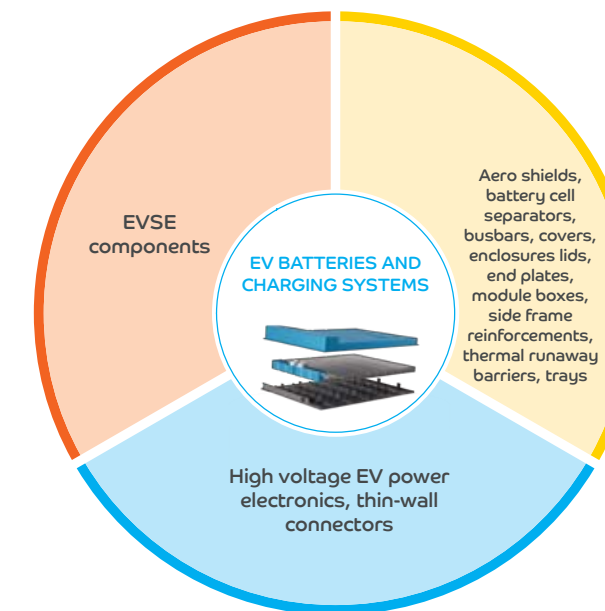
- Our range of polymer materials includes highly versatile engineering thermoplastic and polyolefin resins, which can meet a diverse set of performance requirements and make possible continuous improvements and breakthrough innovations. Branded product lines include CYCOLACT™ (ABS), CYCOLOY™ (PC/ABS), GELOY (ASA, PC/ASA), LEXAN™ (PC), VALOX™ (PBT), and XENOY™ (PC/PBT) resins; as well as HAPSOFT™ and SABIC® polypropylene compounds (PPc) and STAMAX™ (LGF-PP) resins. Additional materials include polyether polyols for foam production and a range of elastomer grades, including SABIC® polybutadiene (BR), EPDM and FORTIFY™ polyolefin elastomer (POE).

- Our highly differentiated specialty engineering thermoplastic resins, compounds, copolymers and additive manufacturing solutions focus on addressing highly complex and specific thermal, mechanical, optical and electrical performance requirements for demanding applications. The branded product lines include ULTEM™ (PEI) resins and films, LNPT™ compounds and copolymers, NORYL™ (PPE) resins and EXTEM™ (TPI) resins.

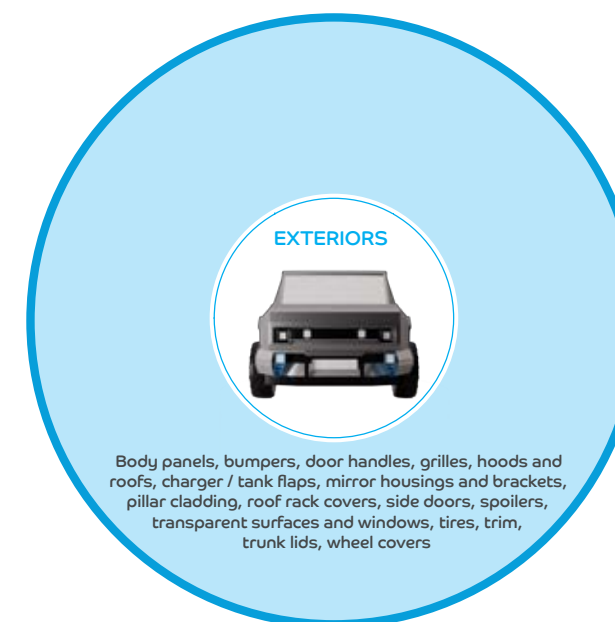
Our industry-dedicated experts understand the pressures faced by automakers and suppliers. We work with them to develop the right solutions to meet their complex requirements and goals, address challenges across vehicle platforms and global markets and help them accelerate towards a sustainable zero-carbon future.

EV BATTERIES AND CHARGING SYSTEMS

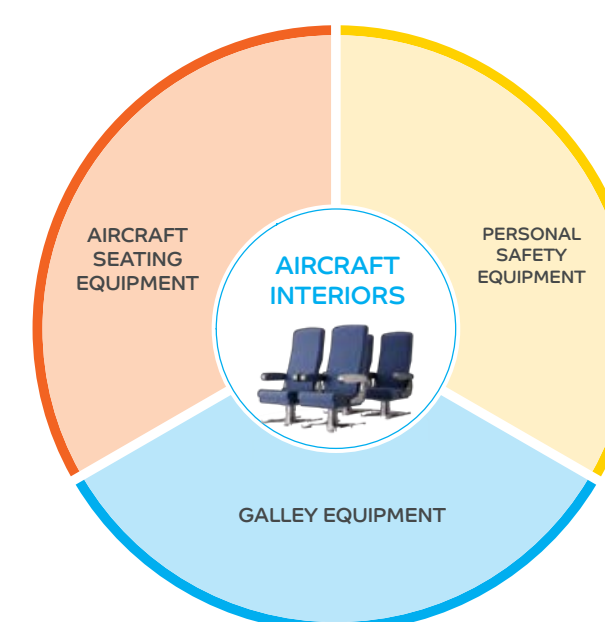
- Aero shields, battery cell separators, busbars, covers, enclosures lids, end plates, module boxes, side frame reinforcements, thermal runaway barriers, trays
- High voltage EV power electronics, thin-wall connectors
- EVSE components



EXTERIORS

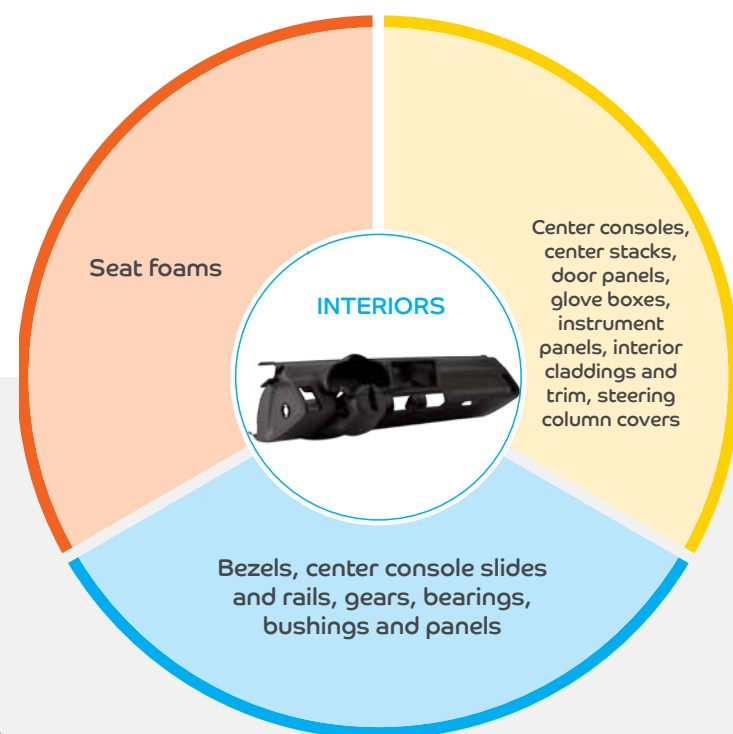


AIRCRAFT INTERIORS



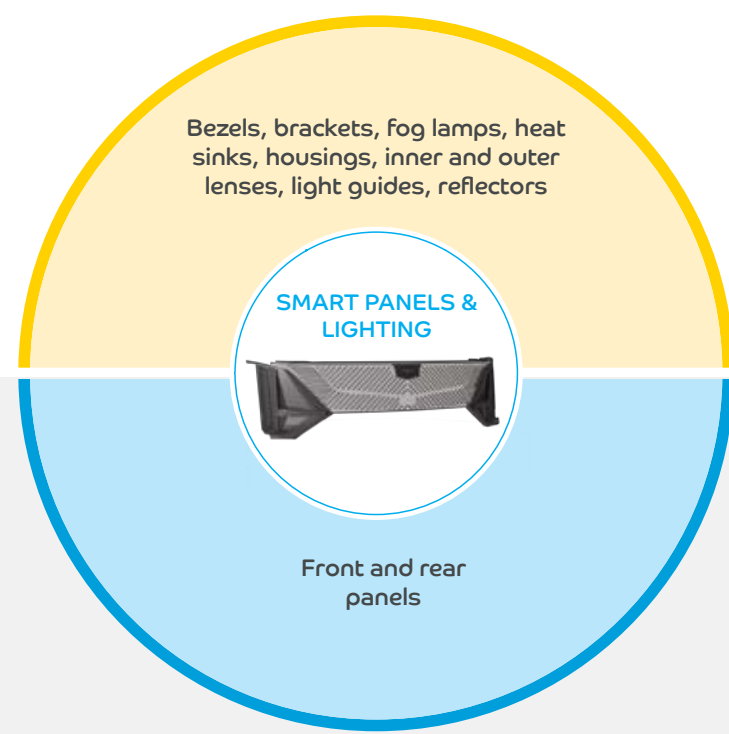
INTERIORS

- Center consoles, center stacks, door panels, glove boxes, instrument panels, interior claddings and trim, steering column covers
- Bezels, center console slides and rails, gears, bearings, bushings and panels
- Seat foams



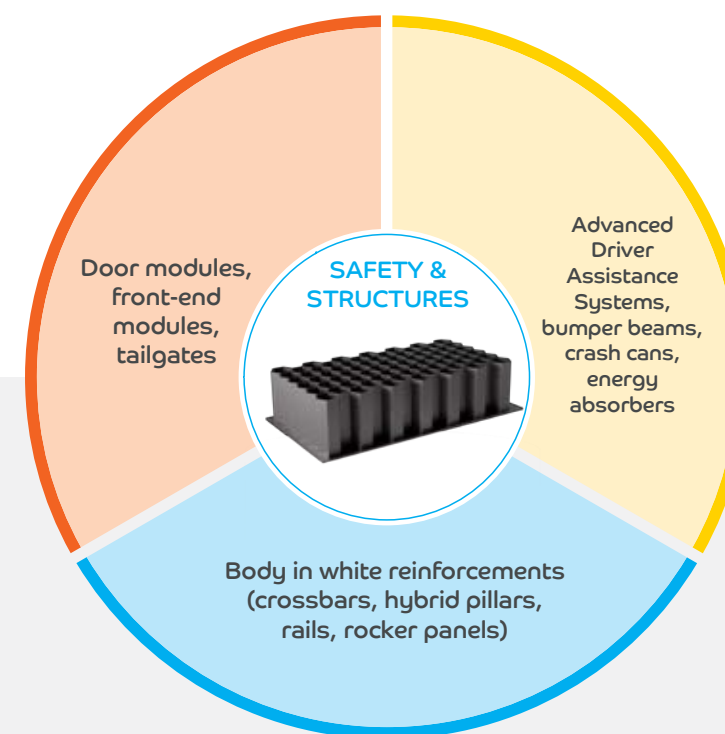
SMART PANELS & LIGHTING

- Bezels, brackets, fog lamps, heat sinks, housings, inner and outer lenses, light guides, reflectors
- Front and rear panels



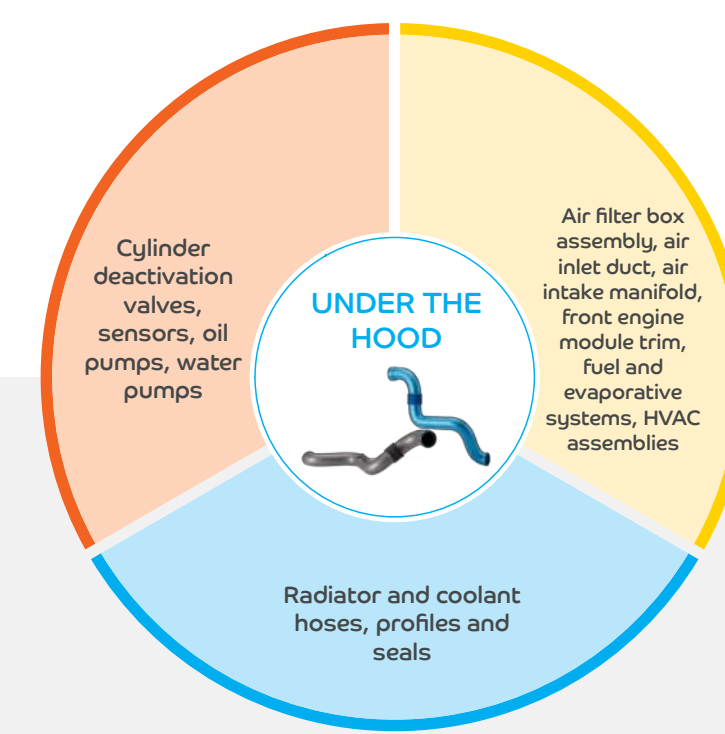
SAFETY & STRUCTURES

- Advanced Driver Assistance Systems, bumper beams, crash cans, energy absorbers
- Body in white reinforcements (crossbars, hybrid pillars, rails, rocker panels)
- Door modules, front-end modules, tailgates



UNDER THE HOOD

- Air filter box assembly, air inlet duct, air intake manifold, front engine module trim, fuel and evaporative systems, HVAC assemblies
- Radiator and coolant hoses, profiles and seals
- Cylinder deactivation valves, sensors, oil pumps, water pumps



Automotive Sensor Radar Absorber

LNP™ STAT-KON™ Compounds



SOLUTION SUMMARY

- Radar-absorbing to minimize signal loss
- Able to operate over a wide temperature range
- Good bonding properties with self and other materials while maintaining the critical dimensions
- Each part weighs <100 grams

VALUE PROPOSITION



- Radar absorbing
- Good bonding properties
- Good Dimensional stability
- Wide temperature resistance



Thermal Conductive Solution for Automotive Lighting

LNP™ KONDUIT™ Resin



SOLUTION SUMMARY

- Light weight option for fuel savings in automotive
- Heat resistant with thermal conductivity for effective heat dissipation
- Can help to prolong LED life
- Each part weighs <100 grams

VALUE PROPOSITION



- Thermally conductive
- Light weight
- Design freedom
- Heat resistance



Lubricated Solution to Reduce Noise in Auto

LNPT™ LUBRICOMP™ and LUBRILOY™ Compounds



SOLUTION SUMMARY

- Low wear, friction material helps reduce noise generated from parts that are not designed to move
- Dimensional stability and ease of molding many internal automotive parts
- Each part weighs <100 grams

VALUE PROPOSITION

- Low wear and friction
- Noise reduction (buzz, squeak, rattle)
- Easy processing
- Good dimensional stability



Visual effect solution for auto lighting bezel

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Appealing metallic look without painting
- Able to maintain dimensions and good weathering properties to retain aesthetics
- Each part weighs ~200 grams

VALUE PROPOSITION

- Weatherability
- Good aesthetics
- Good Dimensional stability
- Easy processing



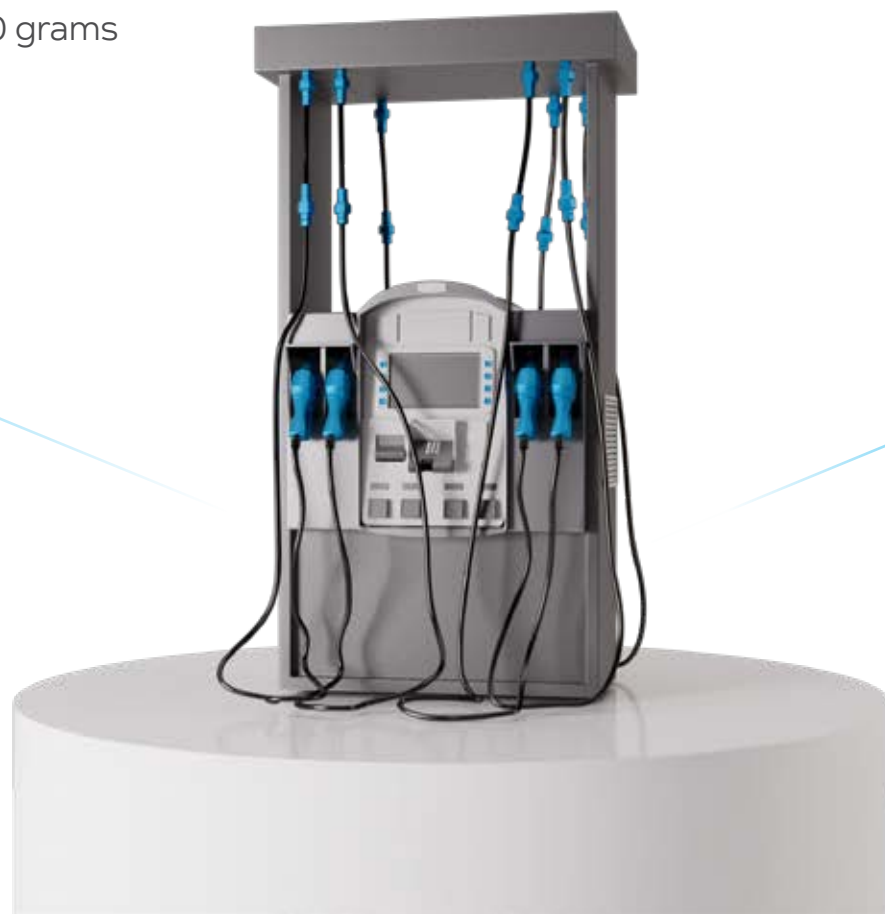
Electrically Active Compounds for Fuel Dispenser Frame

LNP™ STAT-KON™ Compounds



SOLUTION SUMMARY

- Although flame-retardant material is needed, electrical conductivity helps to prevent static electricity which can cause sparks and fires
- Chemical resistance to petrol also needed
- Each part weighs ~300 grams



VALUE PROPOSITION



- Electrically conductive
- High stiffness
- Flame retardant
- Chemical resistance

HEV Battery Auto Air Duct

NORYL™ Resins



SOLUTION SUMMARY

- Flame retardant material passed customer's flame exposure tests
- Chemical resistance needed for this application and easy processing allows molding of parts of long flow-path
- Each part weighs ~3kg



VALUE PROPOSITION



- Chemical resistance
- Heat resistance
- ECO flame retardant
- Easy processing

Auto Wheel Inserts

NORYL™ GTX Resins



SOLUTION SUMMARY

- Good balance of strength and heat properties
- These are key attributes for inserts to improve aerodynamics performance
- Each part weighs ~100 grams

VALUE PROPOSITION



- Impact resistance
- Heat resistance
- Dimensional stability
- Easy processing



Automotive Radar Cover

NORYL™ Resins



SOLUTION SUMMARY

- Good electrical properties to provide stable performance at high frequency range
- Maintains part dimensions and consistent performance during extreme environment
- Helps to maintain functional accuracy
- Each part weighs <100 grams

VALUE PROPOSITION



- Heat resistance
- Dimensional stability
- Easy processing
- Good Dielectric properties



EV Battery Module - Battery Disconnect Unit (BDU) Frame

NORYL™ Resins



SOLUTION SUMMARY

- Provides dimensional stability and resistance to chemicals, impact and heat
- Flame retardant with a good balance of strength and flow
- Hydro stable
- Each part weighs ~ 300 grams

VALUE PROPOSITION

- Non-halogenated flame retardant
- Heat resistance
- Dimensional stability
- Low moisture absorption



Under-the-Hood Auto sensors

NORYL™ Resins



SOLUTION SUMMARY

- Mechanical strength, high temperature and chemical resistance for under-the-hood applications
- Stable dimensions for reliable performance
- Each part weighs <100 grams

VALUE PROPOSITION

- Heat resistance
- Chemical resistance
- High stiffness
- Dimensional stability



EV Charger Components

LNPT™ ELCRES™ Resin



SOLUTION SUMMARY

- Good balance of resistance to impact, chemicals and flame
- Colorable, with good weatherability to maintain good aesthetics over prolonged use
- Each part weighs ~ 200 grams

VALUE PROPOSITION



- Low temperature impact resistance
- Non-halogenated flame retardant
- Weatherability
- Easy processing



High Heat Resistant Reflector of LED Automotive Lighting

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Good balance of heat resistance and strength for LED exposure.
- Able to maintain robust performance and dimensions with metallization
- Each part weighs ~300 grams

VALUE PROPOSITION



- Heat resistance
- Impact resistance
- Dimensional stability
- Easy processing



Electrical Vehicle (EV) Battery Pack Cover

SABIC® PP Compound H1030

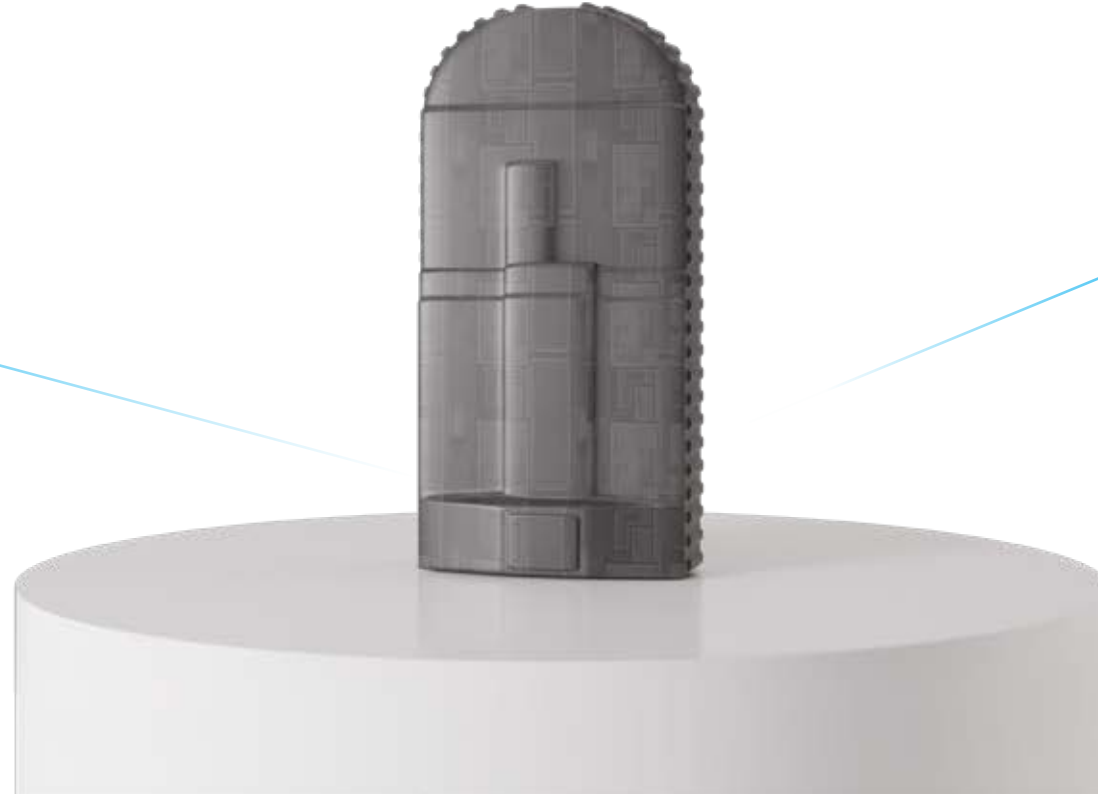


SOLUTION SUMMARY

- SABIC's flame-retardant (FR) polypropylene has been commercially approved for EV battery pack covers
- Enhanced safety features, lightweight properties, and excellent heat resistance
- Contributes to overall performance, reliability, and efficiency
- SABIC material share of this application is 100%
- Edison Silver award winner for 2022

VALUE PROPOSITION

- Range and efficiency
- 40% in weight reduction
- Lower Emission
- Improved safety



EV Battery Module Housing

LEXAN™ FR ECR 3412 Resin



SOLUTION SUMMARY

- Approved by an EV brand for its battery module housings
- Offers improved durability, lightweight properties, and excellent thermal management
- Contributes to the overall efficiency and safety of EV battery systems
- SABIC material share of this application is 100%.

VALUE PROPOSITION

- Range and efficiency
- Weight reduction
- Reusability
- High impact



Outdoor Charger for Electrical Vehicle

SABIC® PP AND ETP Solutions



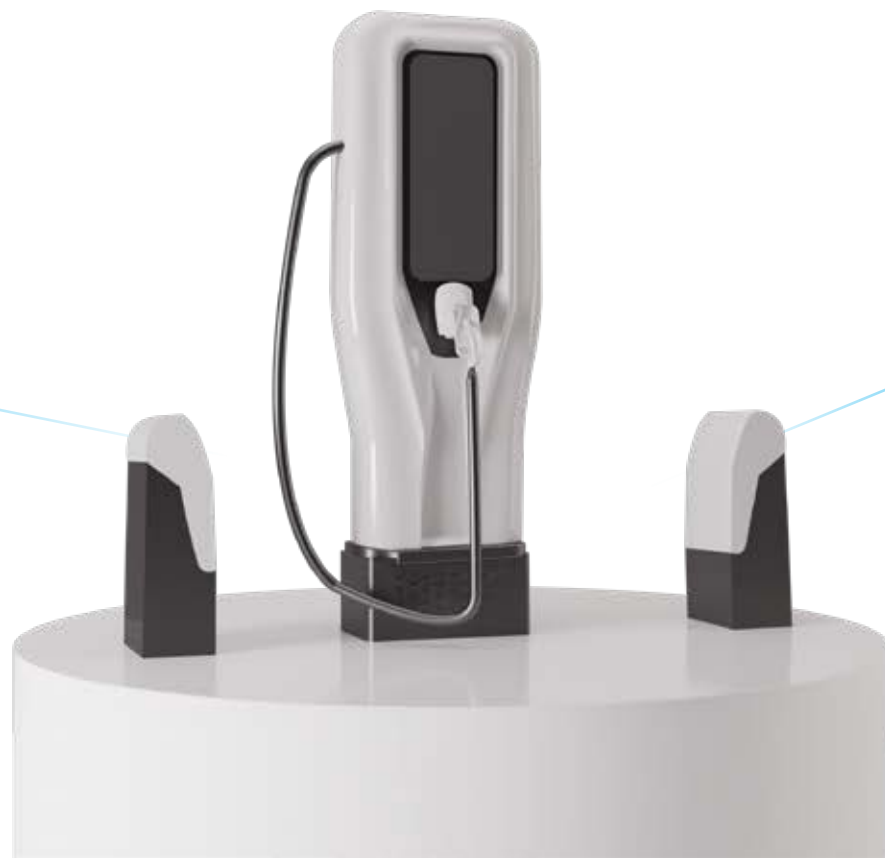
SOLUTION SUMMARY

- Provide excellent electrical performance, heat resistance, and lightweight properties
- Contribute to the efficiency, reliability, and overall performance of electric vehicle charging systems
- SABIC material share of this application is 100%.

VALUE PROPOSITION



- Good electrical performance
- High Impact
- Flame Retardant
- Mechanical Performance



Tailgate Structure

STAMAX™ 30YM240 Resin



SOLUTION SUMMARY

- Offers excellent performance
- Offers high stiffness and impact that meet the market requirements
- Fulfills the demand for more sustainable materials to help reduce CO2 footprint and enable circularity
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Light weight
- Functional integration
- High-impact strength
- Lower Emission



Front Panel

LEXAN™ LS1 Resin



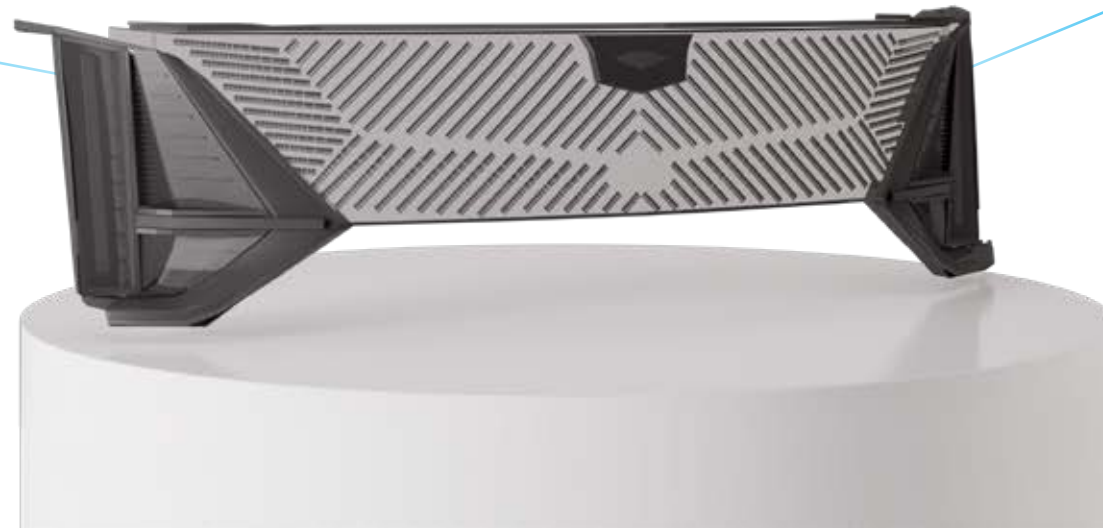
SOLUTION SUMMARY

- Approved by an automotive brand for front panels
- Offers outstanding impact resistance, lightweight properties, and design flexibility
- Enhances aesthetics, safety, and fuel efficiency
- SABIC material share of this application is 100%
- Total weight is 2 kilograms per vehicle

VALUE PROPOSITION



- Integrated sensors
- Critical Performance
- Lower Emission
- Transparency & durability



Smart Panels

LEXAN™ LS1 Resin



SOLUTION SUMMARY

- Used for the production of vehicle smart panels
- Offers outstanding impact resistance, lightweight properties, and design flexibility
- Enhances aesthetics, safety, and fuel efficiency
- Total weight of this application is 15 kilogram per vehicle

VALUE PROPOSITION



- Pedestrian communication
- Integrated Smart Panel
- High-impact strength
- High aesthetic



LED Headlamp

LEXAN™ HF3510R Resin



SOLUTION SUMMARY

- Used for the production of LED vehicle headlamp
- Offers outstanding impact resistance, lightweight properties, and design flexibility
- Enhance aesthetics, safety, and fuel efficiency
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Better yield performance
- Improved flow
- weight reduction
- High aesthetic



Flame Resistant Batteries Cover

SABIC® PP Compound H1030



SOLUTION SUMMARY

- Flame resistant, glass fiber-reinforced
- Used for the production of EV battery cases
- Offers superior strength, lightweight properties, and improved thermal management
- Contributes to enhanced safety, performance, and efficiency of EV battery systems
- SABIC material share of this application is 100%.

VALUE PROPOSITION



- Light weight
- Good chemical resistance



Rear Quarter Window

LEXAN™ GLX143 & CYCOLOY™ XCM 830 Resins



SOLUTION SUMMARY

- Used in the manufacturing of automobile rear quarter windows
- Provide exceptional clarity, impact resistance, and lightweight properties
- Enable improved aesthetics, safety, and fuel efficiency
- SABIC material share of this application is 100%
- Total weight of this application is 4 kilograms per vehicle

VALUE PROPOSITION



- Design freedom
- Thermal insulation
- 40% weight saving
- Low fogging



Battery Protection

XENOY™ HTX 950 and VALOX™ Resins



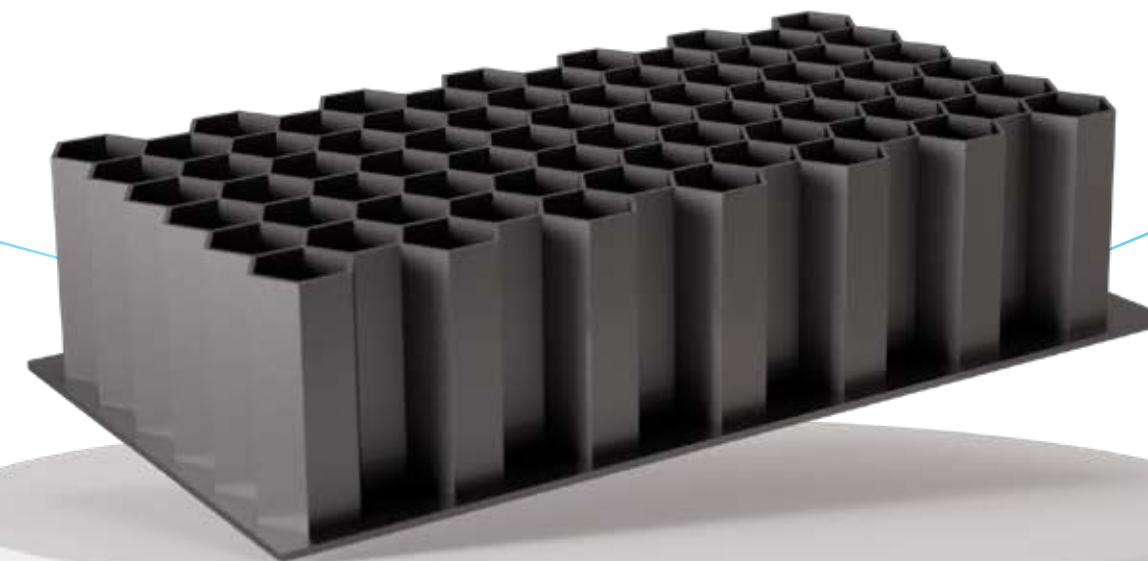
SOLUTION SUMMARY

- Used for the production of automobile battery protection components
- Offers excellent impact resistance, durability, and thermal management properties
- SABIC material share of this application is 100%

VALUE PROPOSITION



- E-coat capable
- Part integration
- Weight savings
- Energy absorption during crash



Automotive Semistructural Applications

SABIC® PP Compounds G3430X & G3440X



SOLUTION SUMMARY

- Surpass high-performing standard short-glass fiber materials in melt flow, tensile and flexural strength, and flexural modulus
- Can be used to design parts with lower mass and weight
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Range and efficiency
- weight reduction
- Lower Emission
- Improved safety



Instrument Panel Carrier

STAMAX™ Resin 20YK270E



SOLUTION SUMMARY

- Long glass fiber reinforced polypropylene material
- Excellent strength, stiffness, and impact resistance
- Offers exceptional mold ability
- Provides lightweight solution
- Contribute to improved vehicle efficiency
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Design Freedom
- weight reduction
- Functional integration



Automotive Battery Case

SABIC® PP Compound G3230A



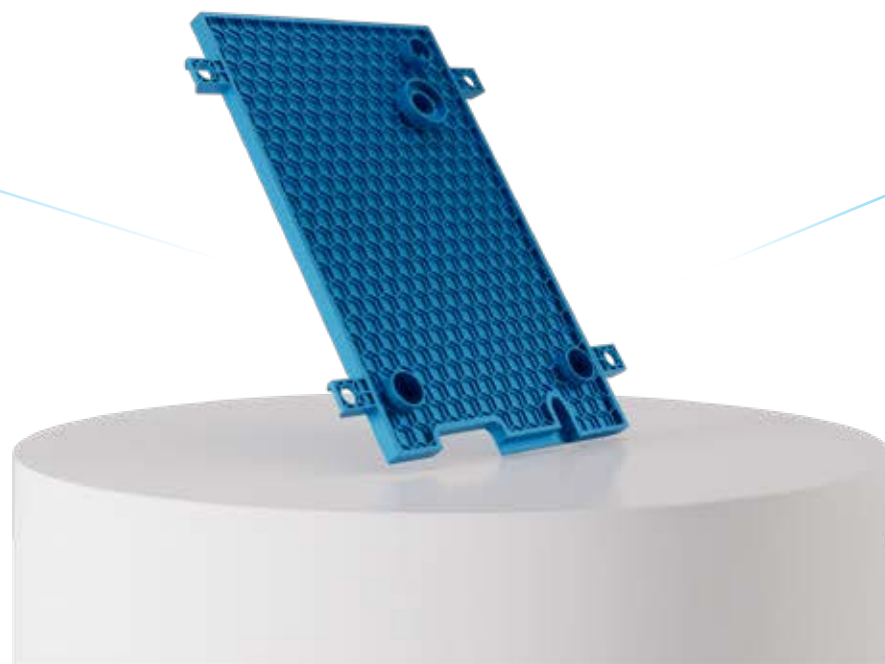
SOLUTION SUMMARY

- High heat resistance and good dimension stability
- Used as a solution for electric vehicle battery case
- Contributes to weight reduction and high safety standards
- Total weight of this application is 1.8 kilogram per vehicle

VALUE PROPOSITION



- Range and efficiency
- Lower Emission
- Improved safety



Vehicle Heating, Ventilation, and Air Conditioning (HVAC) Interior Part

SABIC® PP Compound 3320EH



SOLUTION SUMMARY

- Good mechanical properties for stiffness and ductility
- Used as a solution for vehicles interior part
- Contributes to weight reduction resulting in lower emission
- Maintains high safety standards
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Range and efficiency
- Lower Emission
- Improved safety



Automotive Seats

SABIC® POLYOL 0434/1127/11321529 & SABIC® TDI 0380/ MDI 2031 Polyurethane



SOLUTION SUMMARY

- Mainly used for car seating applications
- Total weight of this application is 30 kilograms per vehicle

VALUE PROPOSITION



- Design freedom
- Light weight
- Easy processing
- Durability



Automotive Tires

SABIC® BR4610 Polybutadiene Rubber



SOLUTION SUMMARY

- Suitable for tire application in tire treads, sidewall and carcass components
- Excellent abrasion resistance, low rolling resistance and high resilience
- Offers higher mileage, lower heat build-up, reduced fuel consumption and lower CO2 emissions for tires
- The weight is 1 kilogram per passenger tire

VALUE PROPOSITION



- Excellent Wear resistance
- Low Rolling resistance
- Excellent Resilience and Flex-fatigue
- Good processability



Automotive Profiles and Seals

SABIC® EPDM756 Rubber



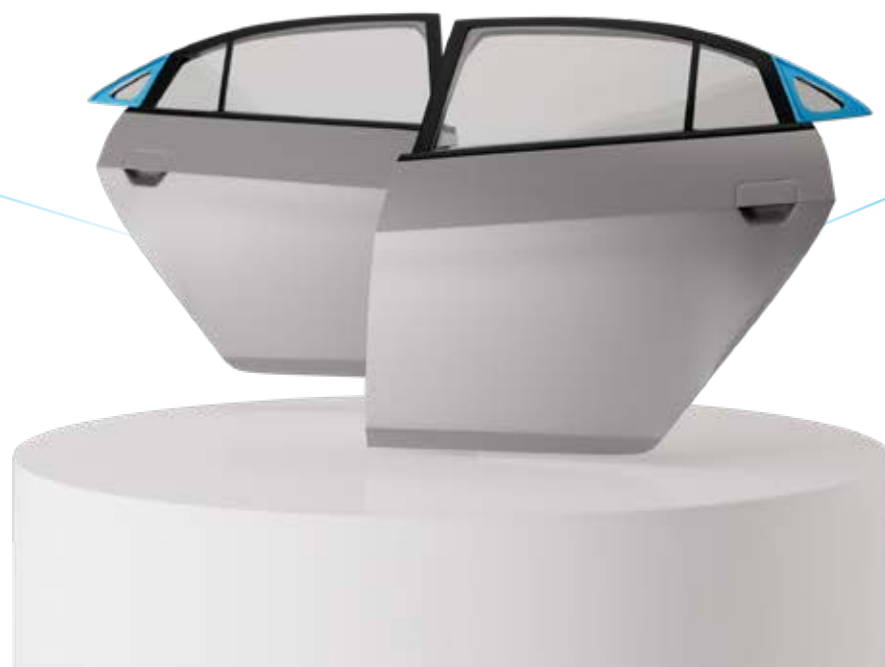
SOLUTION SUMMARY

- Provides excellent durability for auto weather seals and door profiles
- Good sound insulation property
- Useful for the auto sealing applications

VALUE PROPOSITION



- Excellent weather resistance
- High mechanical properties
- Reduced maintenance cost
- Good processability



Radiator/Coolant Hoses

SABIC® EPDM855 Rubber



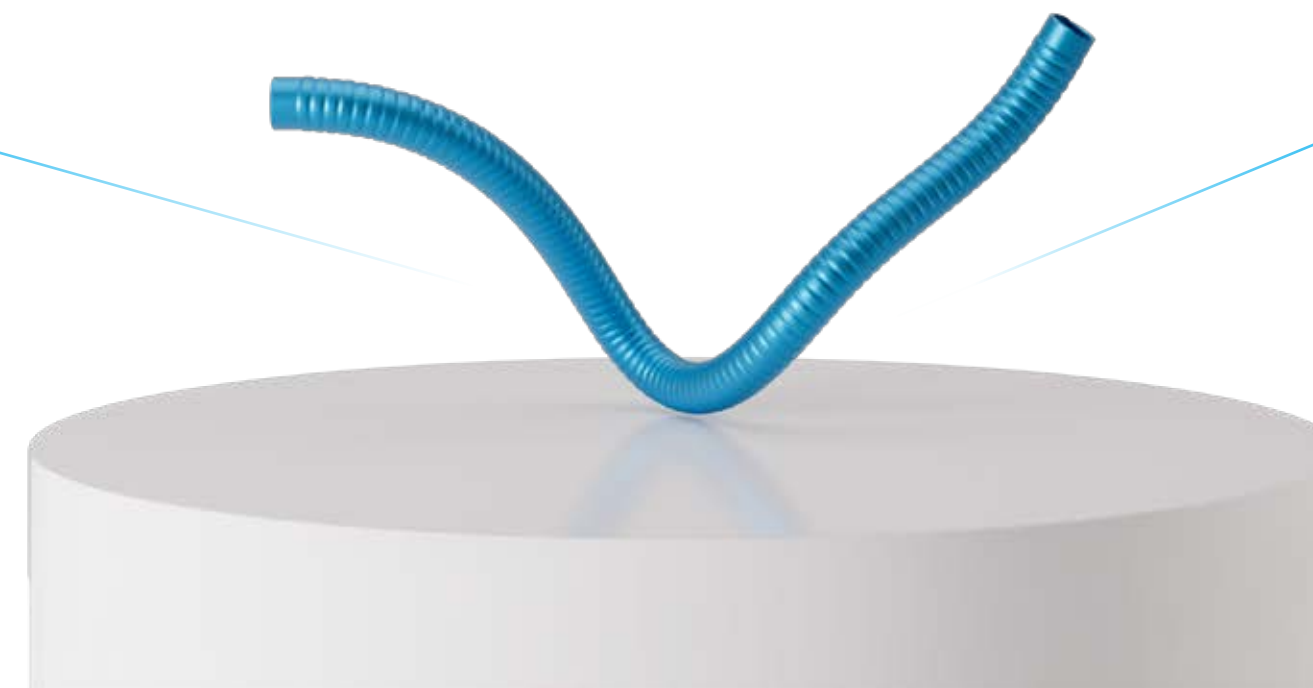
SOLUTION SUMMARY

- High heat resistance, good compression set properties, high durability
- Suitable for many extrusion applications, such as radiator/coolant hoses, air hoses, pipe seals, auto profiles etc.

VALUE PROPOSITION



- Excellent heat resistance
- High mechanical properties
- Excellent durability
- Good processability



Tire Re-treading

SABIC® Carbon Black N220



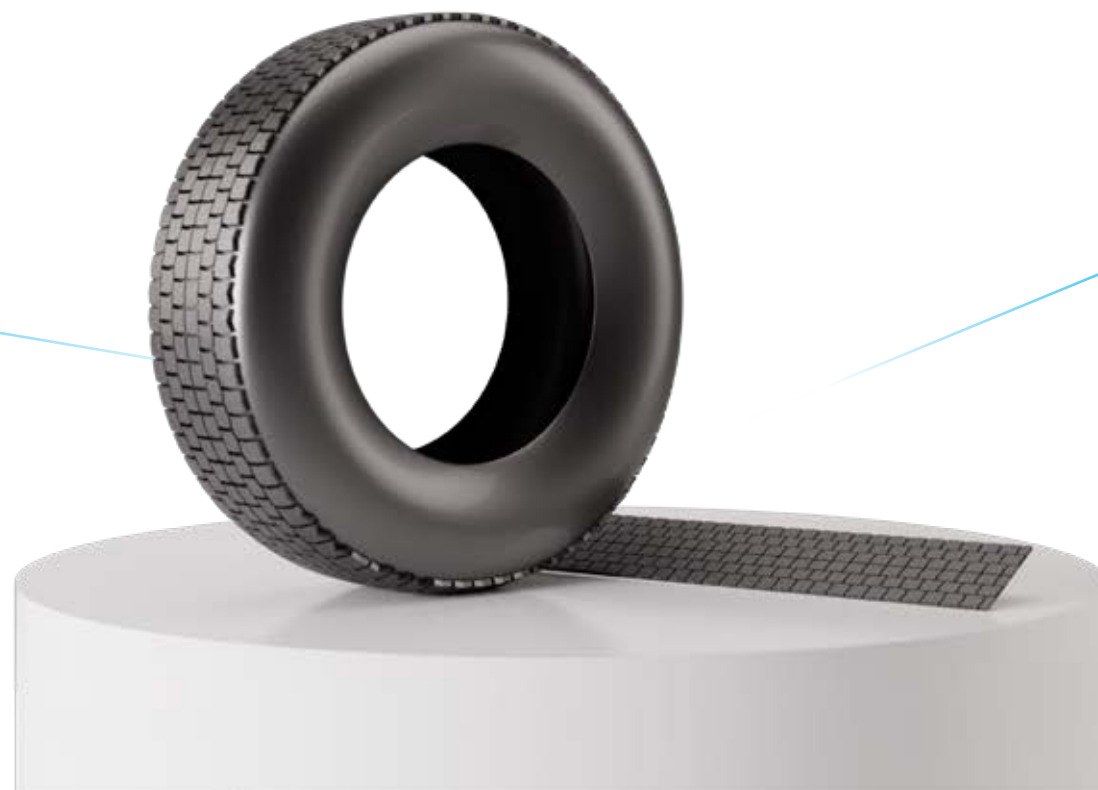
SOLUTION SUMMARY

- Can be used as reinforcing filler for tire re-tread application
- Provides excellent abrasion resistance and mechanical properties
- Higher durability and mileage for the tires

VALUE PROPOSITION



- Higher Abrasion resistance and mileage
- Better mechanical properties
- Lower Rolling Resistance
- Excellent cut resistance



Auto Tailgates

STAMAX™ 40 YM 240 Resin



SOLUTION SUMMARY

- A long glass fiber reinforced polypropylene material
- Excellent strength, stiffness, and impact resistance
- Ideal for manufacturing auto tailgates
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Dimensional stability
- weight reduction
- Mechanical performance
- Cost saving



Luxury Impact Absorber

SABIC® PP Compound 8500



SOLUTION SUMMARY

- Has good paintability, excellent mechanical & impact properties
- Ease of processing, and low density
- Suitable for high class bumpers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Mechanical performance
- weight reduction
- Impact resistance
- Cost saving



Auto Lighting Reflective Mirror

ULTEM™ resins



SOLUTION SUMMARY

- Ability to electroplate very thin layer of silver for high reflective performance
- Can maintain critical dimensions and mechanical strength that has passed wide operating temperatures
- Each part weighs ~100 grams

VALUE PROPOSITION



- High strength
- Dimensional stability
- Good metallization capability
- Heat resistance



Automotive EV Pressure-Temperature Sensor Housing

ULTEM™ Resins

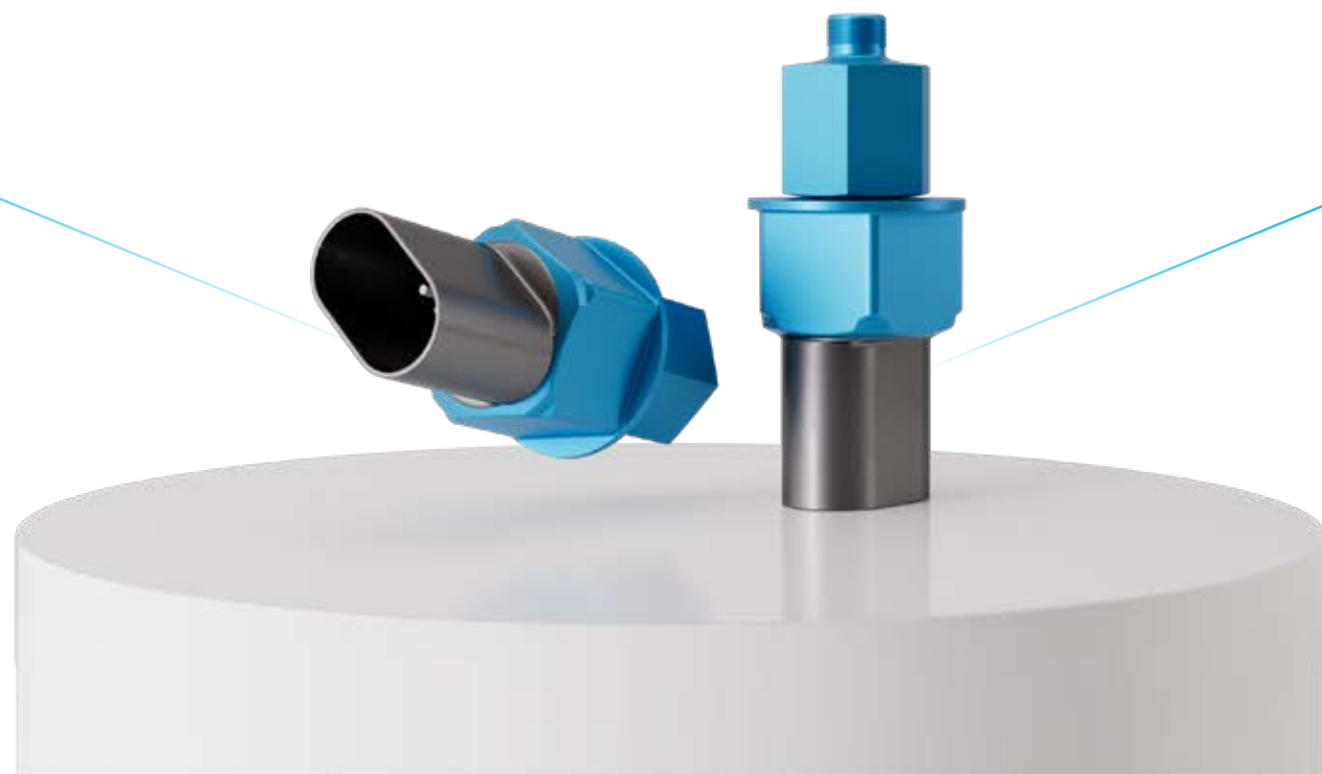


SOLUTION SUMMARY

- Good chemical resistance to automotive coolant
- Low moisture absorption further improves dimensional stability which is critical for this application
- Each part weighs <100 grams

VALUE PROPOSITION

- Chemical resistance
- Dimensional stability
- Low moisture absorption
- Easy processing



Automotive Radar Lens

ULTEM™ Resins



SOLUTION SUMMARY

- High-gloss surface coupled with dimensional stability provides better signal quality
- Resistance to heat and automotive chemicals are added values to this lens application
- Each part weighs <100 grams

VALUE PROPOSITION

- Dimensional stability
- Chemical resistance
- Heat resistance
- Weatherability



Auto Cylinder Deactivation Valve (CDV)

ULTEM™ Resins



SOLUTION SUMMARY

- Stable dimensions over a broad temperature range
- Resistant to most automotive chemicals
- High strength needed for a valve application
- Each part weighs <100 grams

VALUE PROPOSITION



- Dimensional Stability
- Chemical Resistance
- Long term reliability
- High stiffness



Automotive Parts

FORTIFY™ (POE) Elastomer C0570D



SOLUTION SUMMARY

- Available as free flowing pellets
- Designed as a low density and high performance copolymer modifier
- Provides superior impact properties and flow characteristics
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Superior Impact
- Low temperature properties



Snowmobile EV Battery Shell

LNP™ ELCRES™ Resins



SOLUTION SUMMARY

- Low temperature impact and UV resistance for low to sub-zero operating temperatures outdoor
- Flame resistant
- High flow, can fill long parts
- Each part weighs ~200 grams

VALUE PROPOSITION



- Low temperature impact
- UV resistant
- High flow
- Flame retardant



EV Battery Covers

STAMAX™ 30 YH 570 Resin



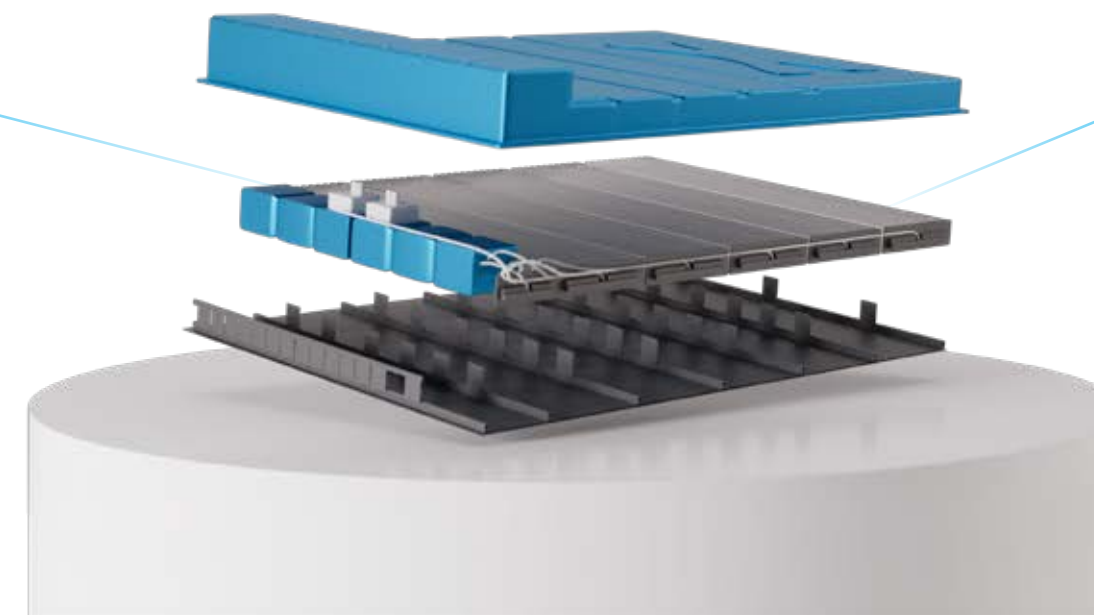
SOLUTION SUMMARY

- A long glass fiber reinforced polypropylene material
- Excellent strength, stiffness, and impact resistance
- Ideal for manufacturing battery covers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Range and efficiency
- weight reduction
- Compliance with RoHS
- Flame retardant



Auto Interior Panel Carriers

STAMAX™ 20 YK 270EE & 20 YK 270E Resins



SOLUTION SUMMARY

- A long glass fiber reinforced polypropylene material
- Excellent strength, stiffness, and impact resistance
- Ideal for manufacturing auto IP carriers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Dimensional stability
- Weight reduction
- Impact resistance
- Cost saving



LNP™ Compound solutions for structural aircraft components for aircraft seats

LNP™ Thermocomp™ compounds



SOLUTION SUMMARY

- Offering great stiffness & strength
- Performance at High Temperatures
- Well suited to meet Aircraft Weight Reductions Targets
- Excellent Mechanical Performance

VALUE PROPOSITION



- High Modulus
- Creep Resistance at High Temperatures
- Carbon and Glass Filled Compounds
- Dimensional Stability



ULTEM™ solution for Aircraft Personal Service Unit

ULTEM™ resin



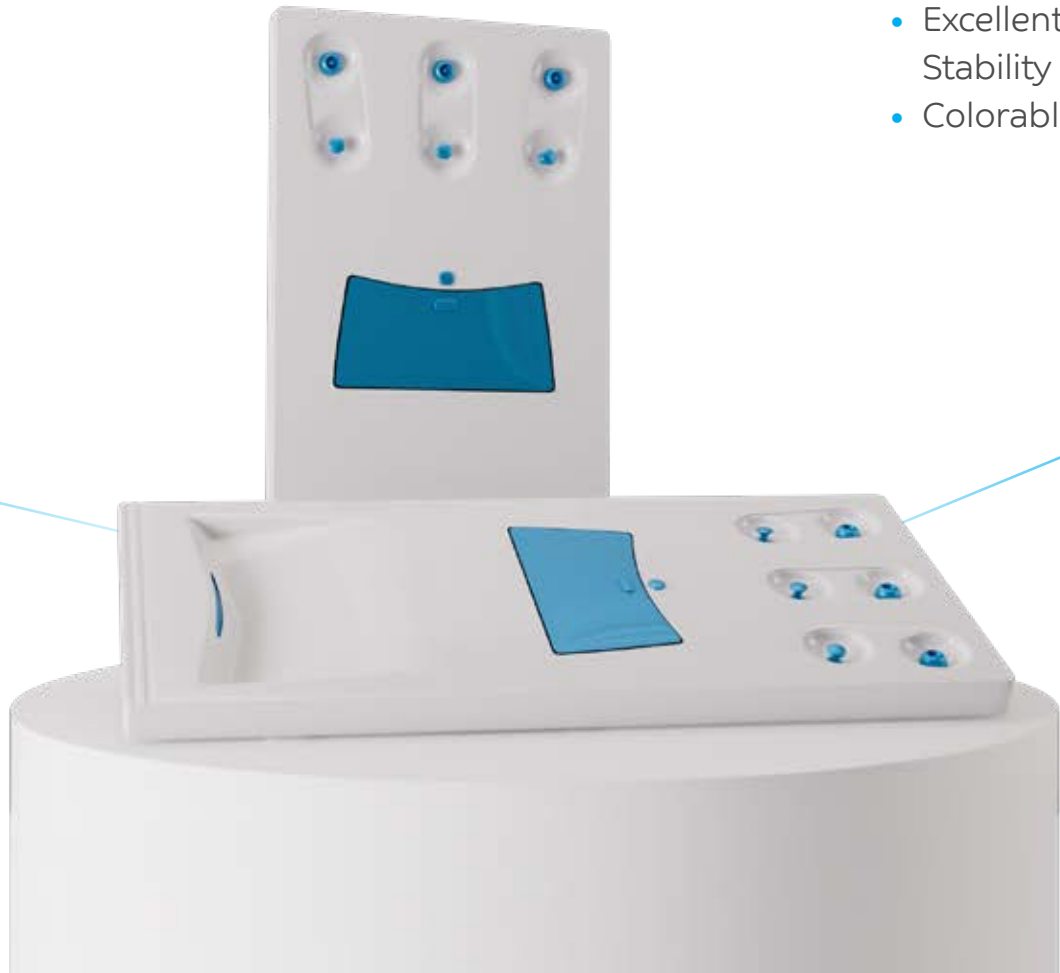
SOLUTION SUMMARY

- Meets Aircraft Regulatory and Safety Requirements
- Well Suited for Thin Wall and light weight designs
- Excellent mechanical performance
- Good Aesthetics

VALUE PROPOSITION



- Meets Aircraft Safety Requirements of OSU 65/65
- Excellent processability for thinwall applications
- Excellent Dimensional Stability and High Modulus
- Colorable



EXTEM™ solution for aerospace connectors

EXTEM™ resin



SOLUTION SUMMARY

- Performance at high heat and flame conditions
- Repeatable Mechanical Performance
- Durability, Strength and Stiffness

VALUE PROPOSITION



- Creep Resistance at High temperature
- Robust Dimensional Stability
- High Modulus



ULTEM™ Resins for Aircraft Decompression Grills

ULTEM™ Resins



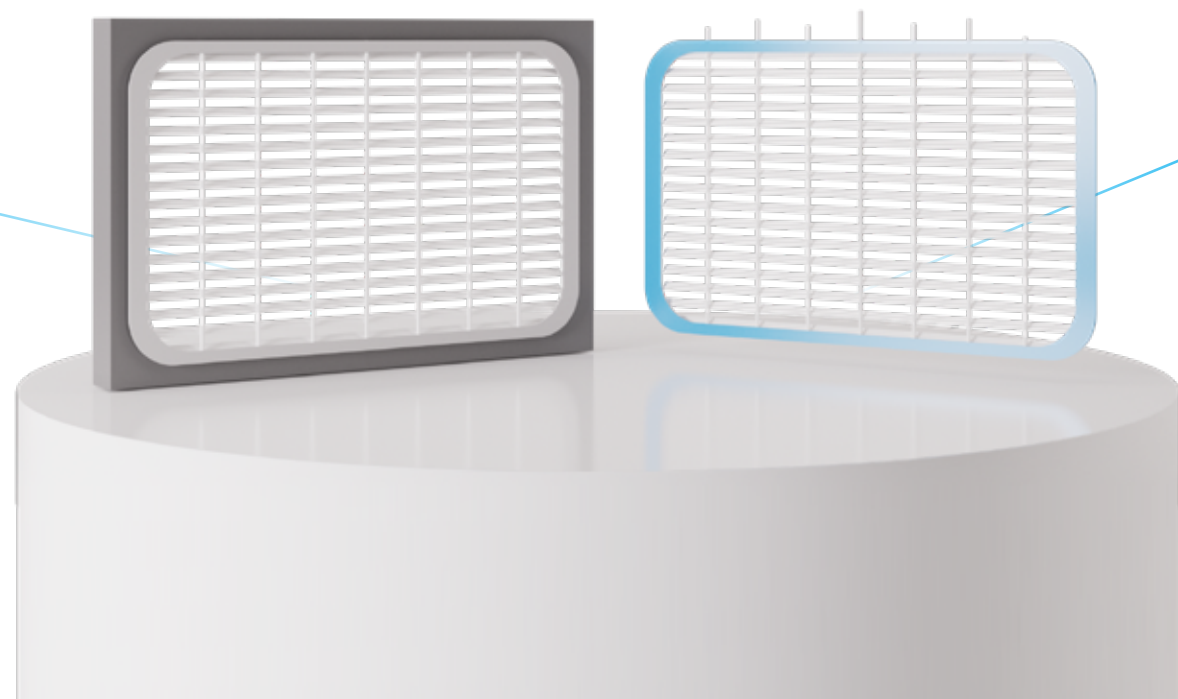
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- Excellent mechanical performance
- Good Aesthetics

VALUE PROPOSITION



- Meets Aircraft Safety Requirements of OSU 65/65
- Excellent processability for thinwall applications
- Excellent Dimensional Stability and High Modulus
- Colorable



ULTEM™ Resins for Aircraft Galley

ULTEM™ resin



SOLUTION SUMMARY

- Meets Aircraft Regulatory and Safety Requirements
- Well Suited for Thin Wall and light weight designs
- Excellent mechanical performance
- Good Aesthetics

VALUE PROPOSITION



- Meets Aircraft Safety Requirements of OSU 65/65
- Excellent processability for thinwall applications
- Excellent Dimensional Stability and High Modulus
- Colorable



LNPT™ FST CoPolymers for Stow Bin Trim

LNPT™FST CoPolymer



SOLUTION SUMMARY

- Meets Aircraft Regulatory and Safety Requirements
- Excellent Ductility
- Good Aesthetics
- Well Suited for thin wall and light weight design



VALUE PROPOSITION

- FAR 25.853 flame & smoke and OSU 65/65 grades
- Impact Resistance
- Excellent Colorability and Bright Whites
- Excellent processability for thinwall applications



BUILDING & CONSTRUCTION



SABIC SOLUTIONS FOR BUILDING & CONSTRUCTION

With an increasingly urbanized world population, there is a growing demand for more sustainable, resource and energy efficient innovative and high-quality building and construction (B&C) solutions. Architects and builders are looking for new solutions to satisfy public demand for environmentally responsible structures, meet current and upcoming regulatory requirements. To meet these needs, SABIC has developed a versatile polymer and thermoplastic portfolio that focuses on pipe solutions, insulation, solid glazing and structural building systems. In addition, our Technology and Innovation centers around the world supports our customers with new material and process developments.

SABIC's portfolio offers a broad range of materials for the industry - SABIC® PP polypropylene, SABIC® PE polyethylene, SABIC®HDPE, SABIC® PP RELY, SABIC® PP VESTOLEN P, PP compounds, polyvinylchloride (PVC) and Acrylonitrile butadiene styrene (ABS). In addition, SABIC offers innovative Foam and Lightweight solutions that can meet consumer demand for smarter, more sustainable

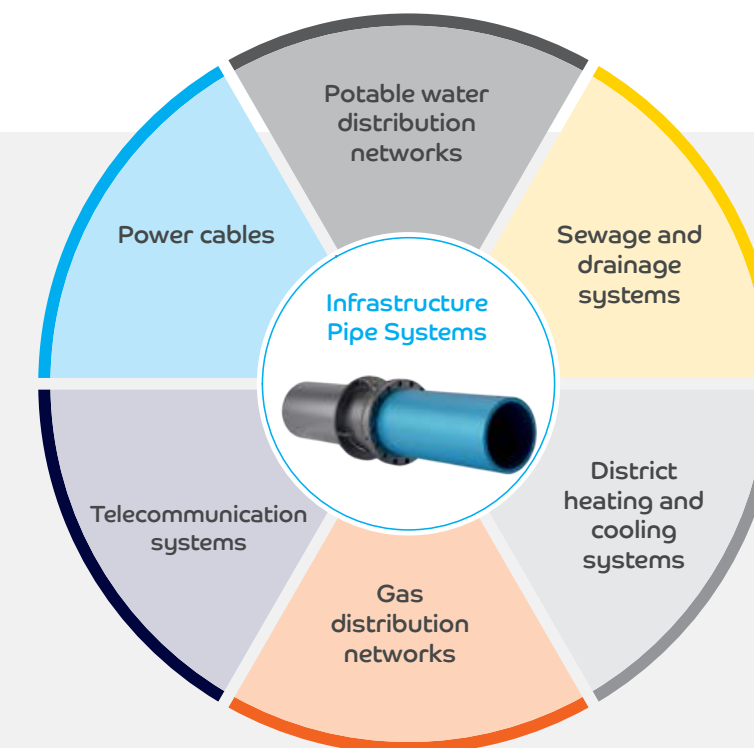
solutions for the Building & Construction market by helping save energy, with foamed insulation and structural solutions for buildings such as homes, offices and factories.

Through TRUCIRCLE™ portfolio and services, SABIC provide sustainable solutions that help companies to reduce carbon footprint and drive the change needed to become a circular global society.

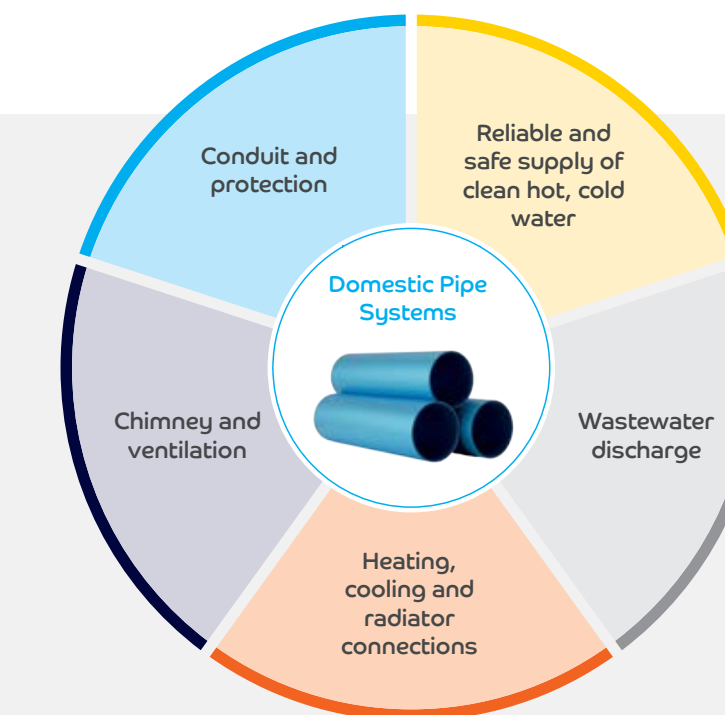
PIPE SYSTEMS & UTILITIES

Growing population and urbanization is increasing the demand for safe and secure potable water, sanitation, fluid and other critical piping above ground or below. SABIC offers material solutions that are more sustainable by increasing the performance and lifetime of pipes used in infrastructure, industrial such as chemical plants, mines and process industries, domestic and agricultural market areas.

INFRASTRUCTURE PIPE SYSTEMS

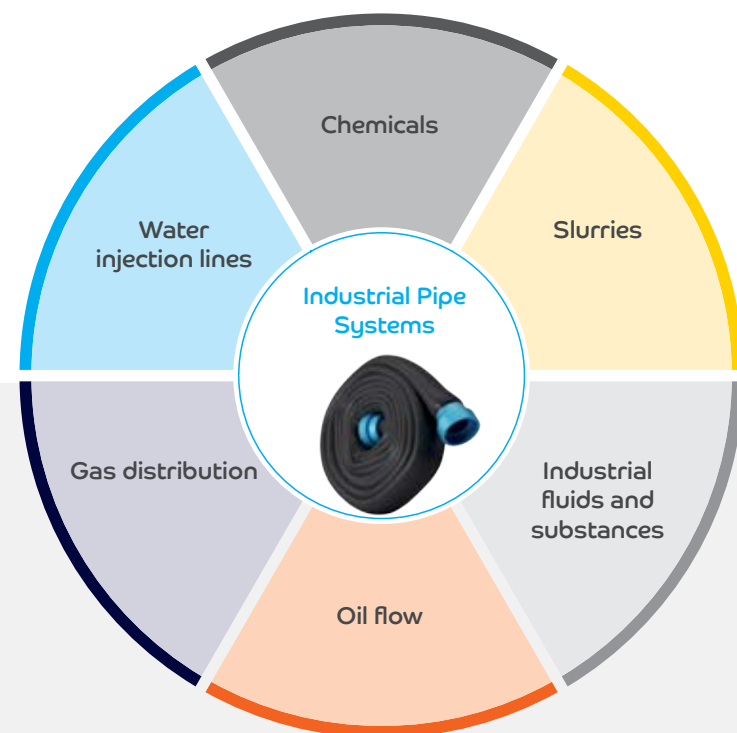


DOMESTIC PIPE SYSTEMS:



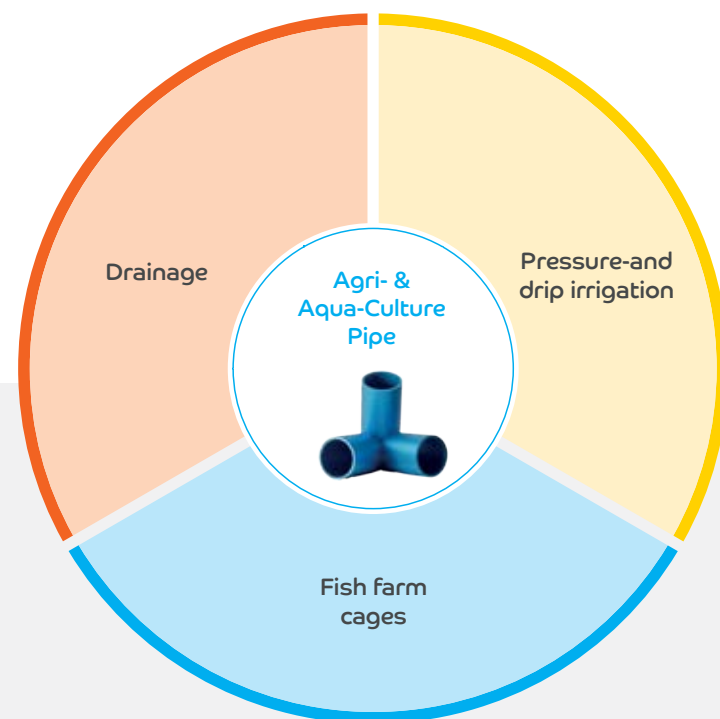
INDUSTRIAL PIPE SYSTEMS

Transport of aggressive, dangerous fluids and waste safely and economically



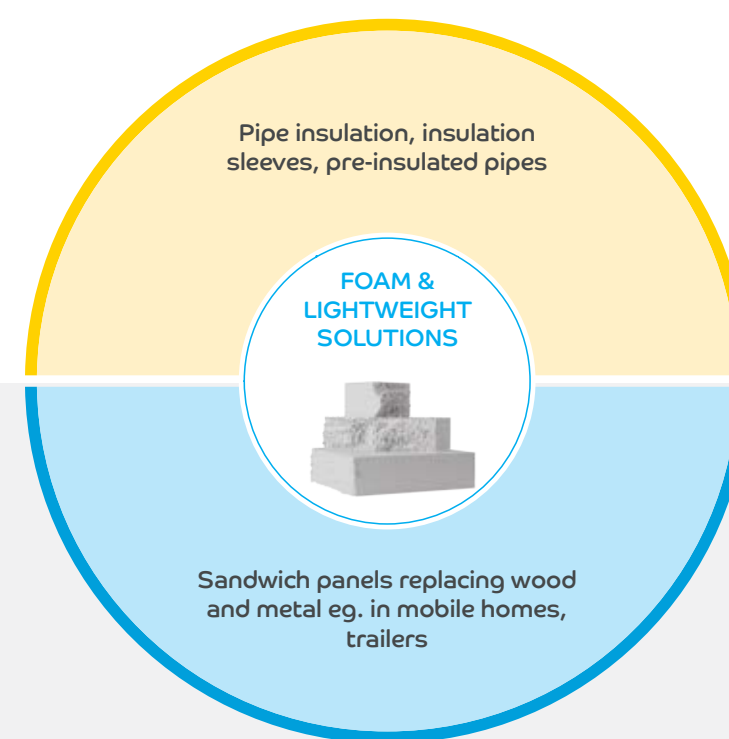
AGRI- & AQUA-CULTURE PIPE

Securing the efficient and reliable production of food across plantations, farms and large greenhouse operations.



FOAM & LIGHTWEIGHT SOLUTIONS

The building and construction industry has considerable potential to help save thermal energy. If we can devise and implement better ways to insulate houses, offices, factories, and pipework systems against heat loss (and refrigeration equipment against heat gain), then we can make a considerable contribution to conservation of energy – and a reduction in our gas and electricity bills.



Lubricated Solution for Water Meter Pistons

LNP™ LUBRICOMP™ Compounds



SOLUTION SUMMARY

- Special lubricant effective for water environment
- Good mechanical properties, piston part robustness and dimensional stability for part accuracy
- Each part weighs <100 grams

VALUE PROPOSITION



- Low wear and friction
- Good mechanical properties
- Dimensional stability
- Easy processing



Pump Valve Body

NORYL™ Resins



SOLUTION SUMMARY

- Good stiffness to withstand water pressure and provide structural integrity
- Low moisture absorption for dimensional stability, non-corrosive and lightweight
- Each part weighs ~ 1kg

VALUE PROPOSITION



- High stiffness
- Dimensional stability
- Light weight
- Easy processing



3D printed Cellular Fabrication Structures for Building Material

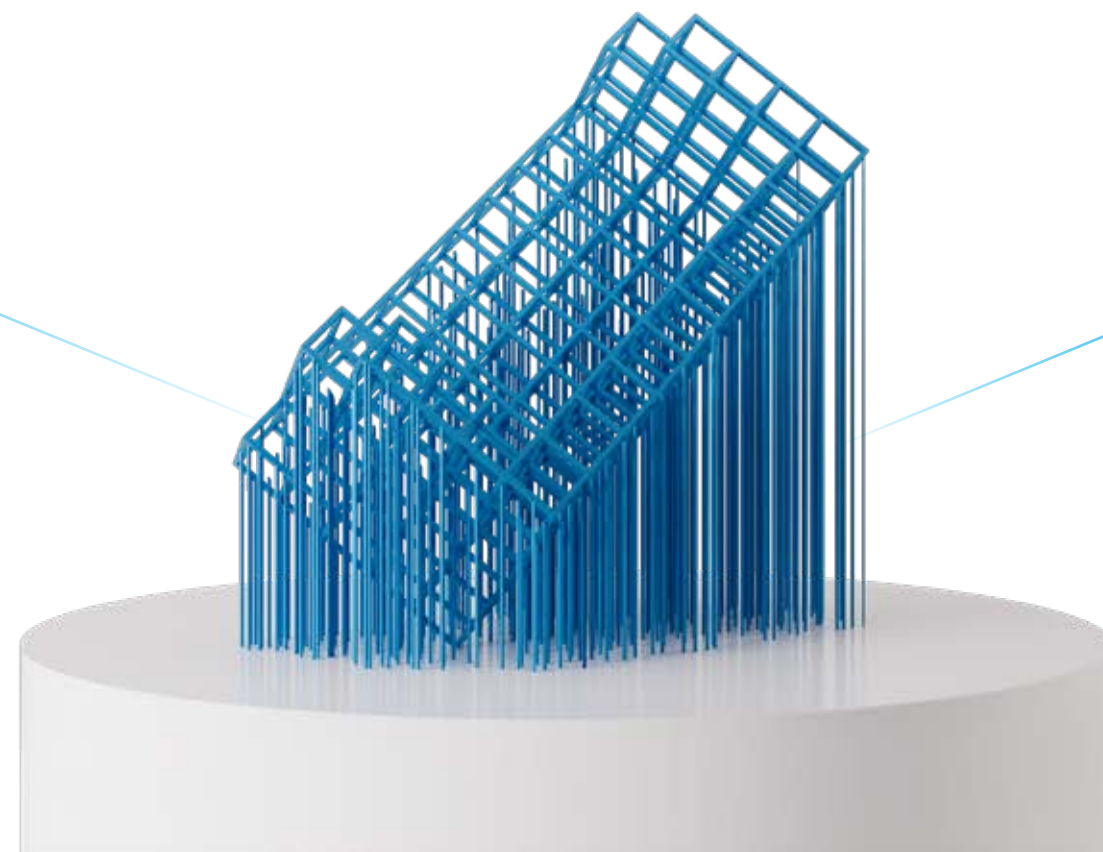
LNPT™ THERMOCOMP™ Compounds

SOLUTION SUMMARY

- This 3D printing material available in pellets instead of filaments
- High stiffness and flame resistant, required for structural applications of buildings
- Each part weighs ~2kg

VALUE PROPOSITION

- 3D printable - pellet fed
- Easy processability
- High stiffness
- ECO flame retardant



Laser Direct Structuring (LDS) Solution for Doorbell Enclosures

LNPT™ THERMOCOMP™ Compounds

SOLUTION SUMMARY

- Easy processing with good warpage control enables molding of flat enclosure
- Flame resistance is required for this home device and good impact resistance is desired
- Each part weighs <100 grams
- System cost reduction with less assembly and second process

VALUE PROPOSITION

- Easy processing
- Low temperature impact resistance
- Can be plated
- ECO flame retardant



Low Voltage Power Cables and Jacketing

SABIC® LLDPE 128CNJ Polymer

SOLUTION SUMMARY

- Designed for extrusion applications
- TNPP free
- Contains an optimized level of stabilizers
- No slip or anti-block additives
- SABIC material share of this application is 30%

VALUE PROPOSITION

- This grade is combining stiffness, toughness
- High melt strength with an excellent processability due to its broad molecular weight distribution



Structural Solution for Outdoor Sirens

LNPT™ THERMOCOMP™ Compounds

SOLUTION SUMMARY

- High strength required for this structural part
- Being an outdoor application, good UV resistance with good aesthetics also required
- Each part weighs <100 grams

VALUE PROPOSITION

- High stiffness
- weatherable
- Easy processing
- Good aesthetics



Roof Sheeting

SABIC® Carbon Black N330



SOLUTION SUMMARY

- Used for roof sheeting application in KSA
- Provides excellent surface finish and improved mechanical properties for the rubber roof sheeting

VALUE PROPOSITION



- Higher Durability
- Surface Finish
- Local Availability



Foam Blocks

SABIC® PS 155 Polystyrene



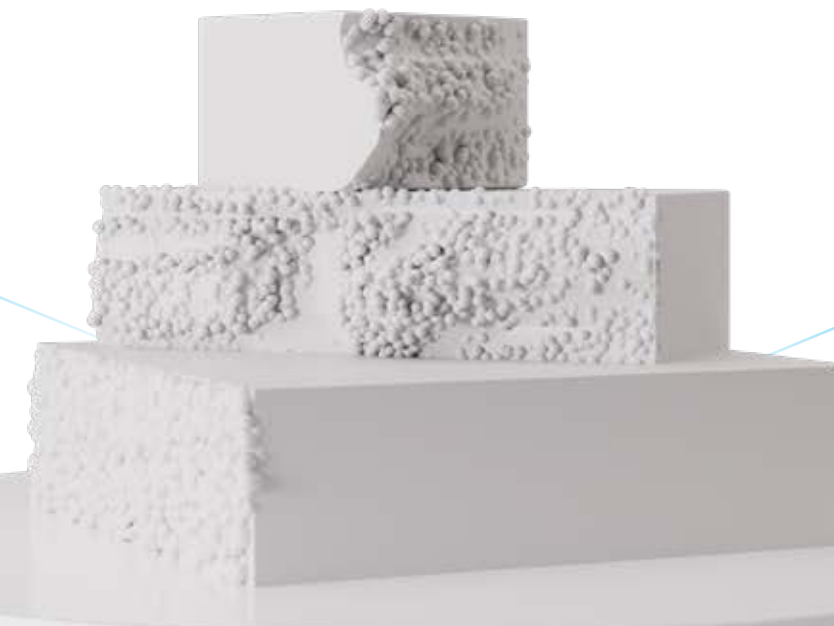
SOLUTION SUMMARY

- Meets customers' requirements for the foaming process and applications
- A medium melt flow rate grade
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good processability
- Good dimensional stability
- Excellent foamability



Plastic Lining for Steel Pipe

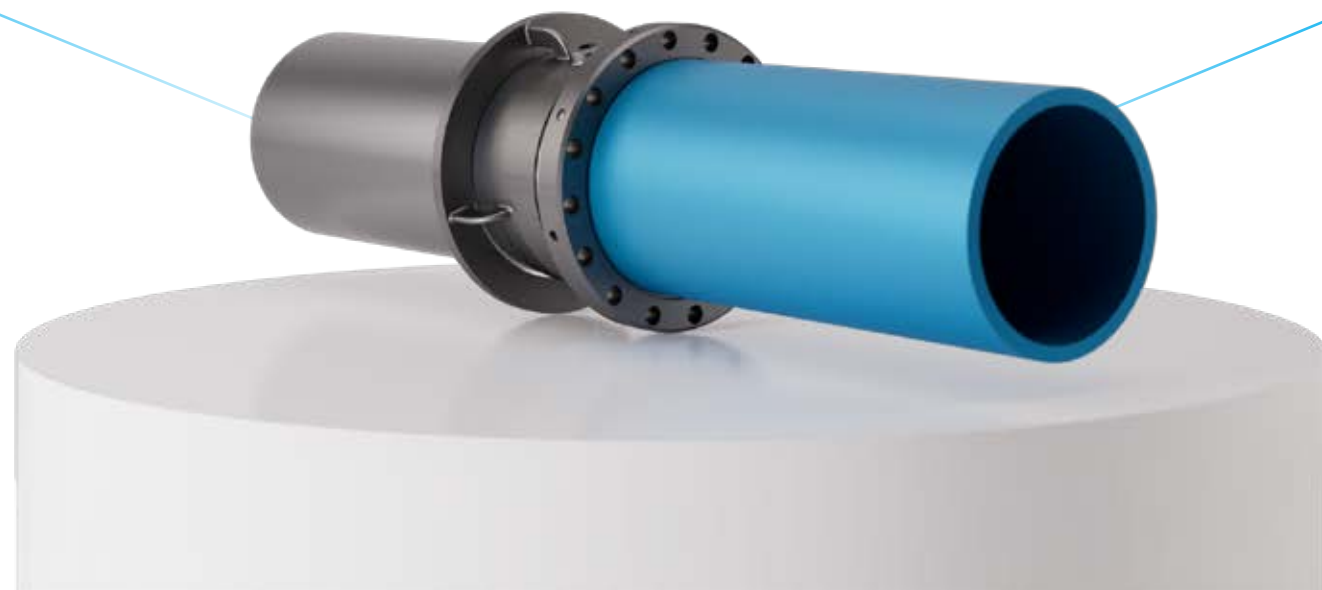
SABIC® HDPE P6006AD Polyethylene

SOLUTION SUMMARY

- One of the great solutions for pipe lining
- Superior physical and mechanical properties
- Helps increase the steel pipe lifetime
- Reduces failure and maintenance because of corrosion protection
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Corrosion protection
- Mechanical strength
- Installation ease
- Reduced maintenance cost



Large Diameter Plastic Pipes

SABIC® HDPE P6006LS Polyethylene

SOLUTION SUMMARY

- Designed for large diameter pipes
- Superior sagging properties
- High mechanical strength and performance
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Corrosion free pipes
- Mechanical Strength
- Large Diameter pipes
- Reduced maintenance cost



Crack Resistant Plastic Pipe

SABIC® VESTOLEN A RELY 5922R (SABIC® HDPE PE100 RC) Polyethylene

SOLUTION SUMMARY

- Designed and certified for pressure pipe applications
- Can be used with new installation techniques
- High mechanical strength
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Durability
- Flexibility
- Lifetime
- H2 Ready



High Temperature Resistant Plastics Pipe

SABIC® HDPE PE100 Polyethylene

SOLUTION SUMMARY

- Provides cost effective trenchless installation of pipes and ducts
- Offers a combination of pressure resistance, temperature resistance and low temperature impact
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Deliver Green Energy
- Ideal for High Voltage W&C
- Renewable/Circular
- Excellent performance



High Performance Pipes

SABIC® PE & PPR Solutions



SOLUTION SUMMARY

- SABIC's new BiAx Pipe technology offers substantial improvements over incumbent polyolefin pipes
- Higher resistance against internal pressure enables wall-thickness reduction
- Can reduce material use by at least 30 percent
- Superior resistance to slow-crack growth (RC) facilitates trenchless pipe installation
- Very smooth inner wall surface reduces the energy required for pumping
- SABIC material share of this application is 100%

VALUE PROPOSITION



- 30 %Wall thickness reduction
- Higher pressure Resistance
- Resistance to Disinfectants
- Resistance to Cracking



High Voltage Cable Jacketing

SABIC® HDPE C0549 Polyethylene



SOLUTION SUMMARY

- The first specialized Wire & Cable at SABIC
- SABIC material share of this application is 30%

VALUE PROPOSITION



- High mechanical properties
- Better aging
- Lower shrinkage
- Localization solution



Refugee Shelters

SABIC® PP-UMS Foam



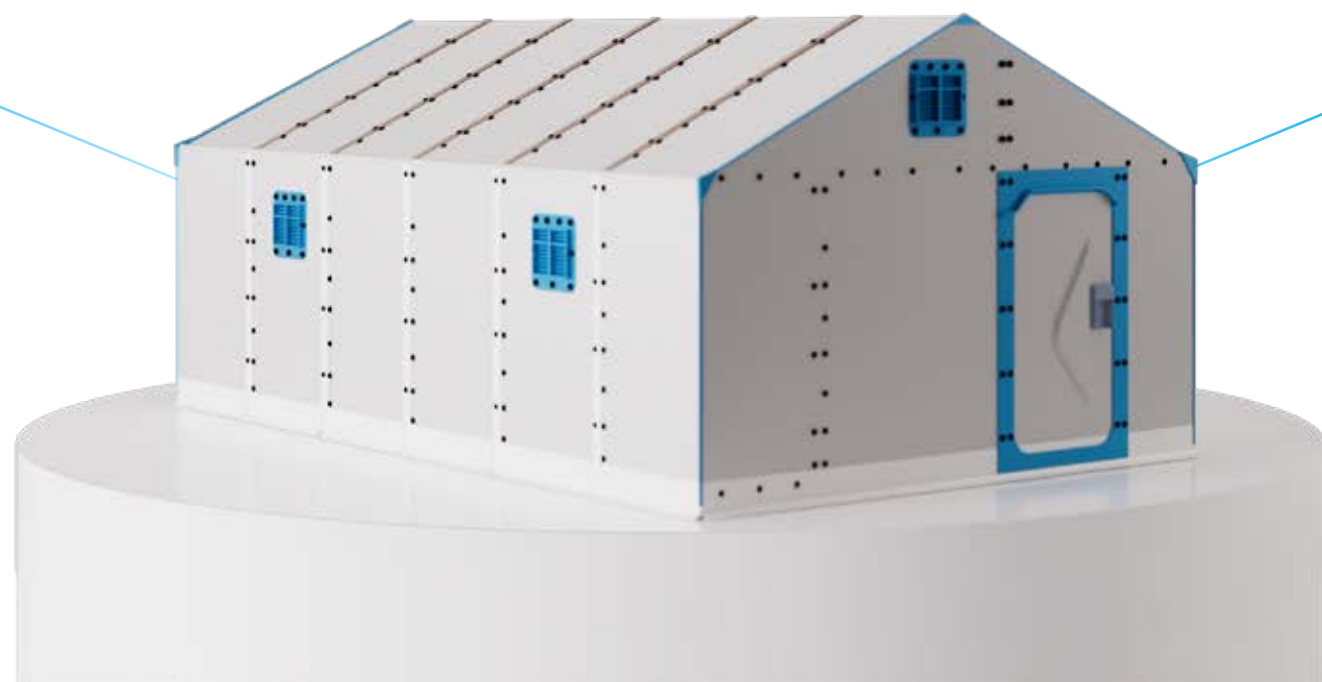
SOLUTION SUMMARY

- SABIC's polymer solutions are used to build refugees shelters, providing foam sheets as the outside layer of the shelter
- Worked with KSrelief to adopt the units and design the shelters, based on specific requirements
- Ensured the materials were providing the comfort needed
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Comfortable environment
- Durability
- Superior insulation properties
- Friendly installation



High Pressure and Temperature Pipe for Industrial

SABIC® HDPE P6006NA Polymer



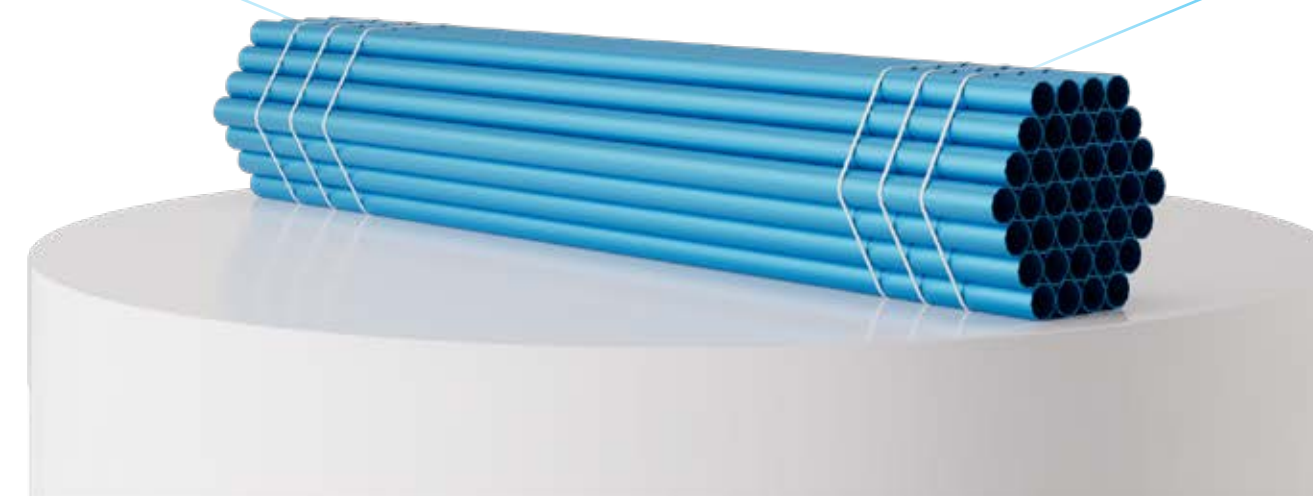
SOLUTION SUMMARY

- Excellent physical & mechanical properties
- Outstanding long term hydrostatic strength
- A great choice for reinforced thermoplastic pipes
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Crack resistance
- mechanical strength
- Hydrostatic strength
- Processability



Roof Sheeting

SABIC® EPDM 626 Rubber

SOLUTION SUMMARY

- Very good weather and oxidative resistance
- Particularly suitable for roof-sheeting membranes and other sheeting applications
- Provides higher durability, lower lifecycle cost, environmental friendly and lighter weight

VALUE PROPOSITION

- Higher Durability
- Installation ease
- Surface Finish
- Low Environment impact



Architectural Profiles

SABIC® EPDM 756 Rubber

SOLUTION SUMMARY

- Provides excellent durability
- High weather and oxidative resistance
- Excellent extrusion performance and good dimensional stability

VALUE PROPOSITION

- Excellent weather and heat resistance
- High mechanical properties
- Reduced maintenance cost
- Good processability



Water Tanks

SABIC®LLDPE RG50035 Polymer



SOLUTION SUMMARY

- A non-UV stabilized reactor powder for compounding with pigments
- Excellent for inner foam layer
- Offers weight saving advantage with balanced density and viscosity
- Designed to provide excellent stress cracking resistance
- High rigidity, toughness, and low warpage
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Excellent stress cracking resistance
- Good mechanical properties with high rigidity
- Toughness
- Low warpage



Pipe Fitting

SABIC® SPVC 57S Polyvinyl Chloride



SOLUTION SUMMARY

- Used in making pipes for plumbing, electrical conduits, vinyl flooring, and vinyl siding for buildings
- Strong, durable, and low-maintenance material
- Can withstand harsh environments and heavy use
- SABIC material share of this application is 60%

VALUE PROPOSITION



- Durability
- Installation ease
- Mechanical strength
- Lifetime



Domestic Sewage Pipes

SABIC® SPVC 67S Polyvinyl Chloride

SOLUTION SUMMARY

- Commonly used in high-performance applications
- Used in the manufacturing of window frames, electrical insulation materials, medical devices, outdoor furniture and decking
- Durable, can withstand harsh environments
- Resistant to heat, chemicals, and abrasion
- SABIC material share of this application is 60%

VALUE PROPOSITION

- Durability
- Mechanical strength
- Installation ease
- Lifetime



3D Construction Panel

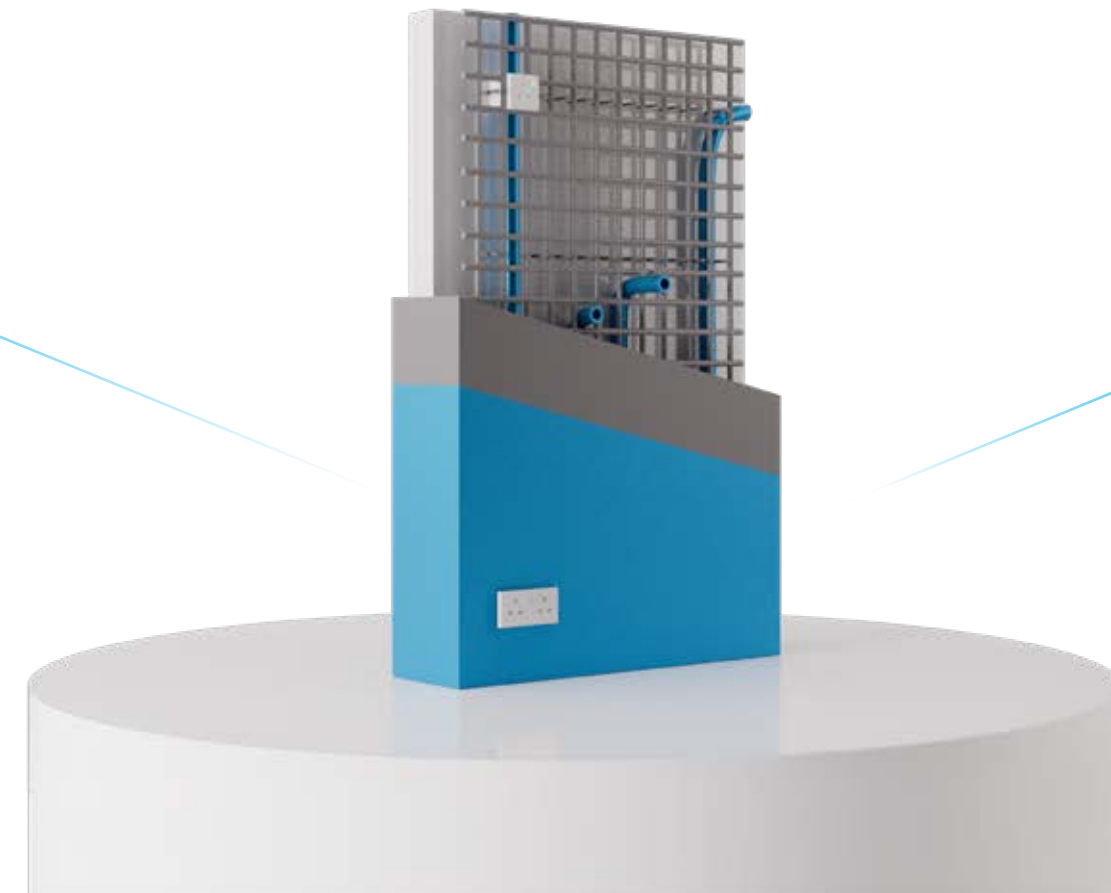
SABIC® EPS Polystyrene Foam

SOLUTION SUMMARY

- Used for the insulated concrete forms
- Provide excellent heat insulation properties
- Used for fast cycle shape and block molding applications with good surface finish
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Low thermal conductivity
- Energy saving
- Retarded to ignitability
- Fast construction



Thermal Insulation in Buildings and in Appliances

SABIC® MDI 2031 Polyurethane Rigid Foam



SOLUTION SUMMARY

- Used to produce rigid form that provides high insulation properties
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Mechanical performance
- Thermal insulation
- Durability
- Easy processing



Plastic Stadium Seats

SABIC®PPCP 49MK45 Polymer



SOLUTION SUMMARY

- Ideal for manufacturing seats due
- Good flowability, colorability, weatherability, resistance to solar irradiation
- Used for World Cup stadium seats in Qatar
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Medium impact
- High stiffness
- Weatherability



Hot & Cold Pipes

SABIC® VESTOLEN P 9421 Polymer



SOLUTION SUMMARY

- Used for domestic hot & cold potable water pipes
- Proven superior mechanical properties
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Heat resistant
- Cost savings
- Drinking water approvals
- Strength



Sewage Pipes

SABIC® PP RELY PPC Polymer



SOLUTION SUMMARY

- Offer a good balance of stiffness and impact resistance
- Ideal for corrugated and non-corrugated sewage pipes
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Crack resistant
- Cost savings
- Tough
- Strength



Premium Concrete Hollow Blocks

SABIC® Carbon Black N330



SOLUTION SUMMARY

- When blended in specific proportion with concrete and other chemicals helps to achieve high compressive strength for concrete hollow blocks as per SASO-GSO standards
- Generally used up to 20% in this application

VALUE PROPOSITION



- Reduced casting time (50%) Productivity improvement
- Concrete strength improvement by 5-8%
- Improved color



Plastic Asphalt Modification

COHERE™ (POP) 8170D Plastomer



SOLUTION SUMMARY

- One of the great solutions for asphalt modification
- Superior physical and mechanical properties
- Helps increase the asphalt lifetime
- Excellent resistance to rutting and thermal cracking
- SABIC material share of this application is 20%

VALUE PROPOSITION



- Resistance to rutting
- Resistance to thermal cracking
- Lower Emission
- Localization solution



Geo-Membrane

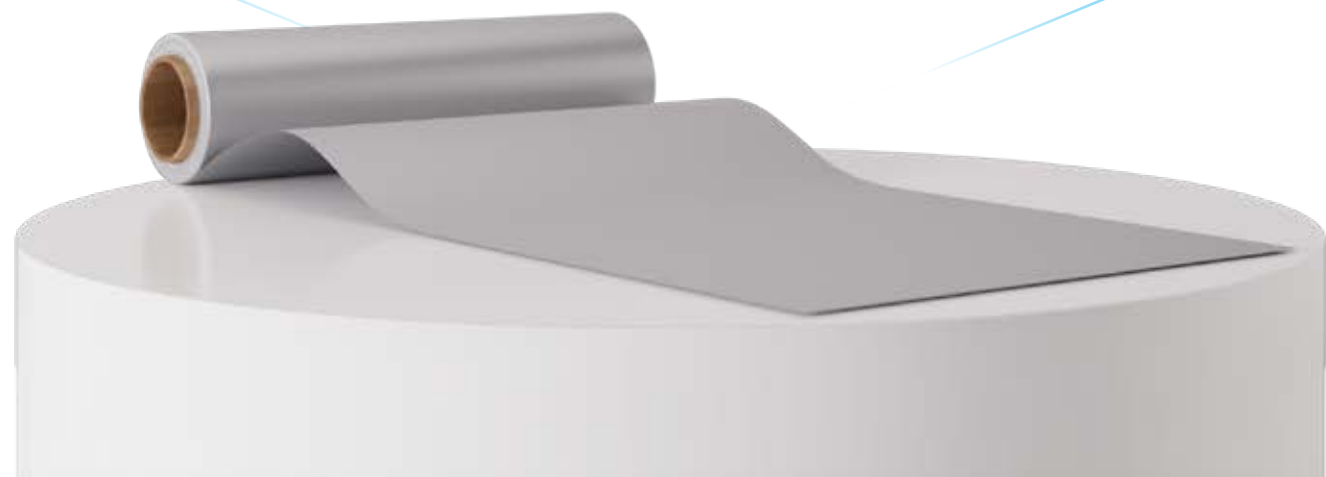
SABIC® HDPE GF1442 Polymer

SOLUTION SUMMARY

- One of the first geo-membrane solutions
- Helps prevent migration from liner to control fluid or gas into building construction & agriculture
- High mechanical properties and lower shrinkage
- SABIC material share of this application is 100%

VALUE PROPOSITION

- High mechanical properties
- Better aging
- Lower shrinkage
- Localization solution



Bath Tubs

CYCOLAC™ Resin MG47F

SOLUTION SUMMARY

- Can provide a perfect blend of strength, durability, and attractive appearance
- Offers excellent impact resistance
- Ensures a high-gloss finish and resistance to staining
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Excellent Toughness Properties
- Good Mechanical Properties
- Ease of Machining
- Dimension Stability



Lightweight Solar PV Panels

SABIC® PP Compounds



SOLUTION SUMMARY

- Allow more than 50% solar panel weight reduction
- More than 25% carbon footprint reduction
- Recyclable and free of toxic components
- SABIC material share of this application is 100%

VALUE PROPOSITION



- 50 % Weight
- Weatherability
- 25% lower carbon footprint
- High impact



Roof Sheeting

SABIC® Carbon Black N330



SOLUTION SUMMARY

- Successfully qualified for Rubber Roof Sheeting application in KSA
- Provides better UV stability and longer durability

VALUE PROPOSITION



- Higher Durability
- Better aging
- Surface Finish
- Local availability



CONSUMER



SABIC SOLUTIONS FOR CONSUMER GOODS

Plastics play an important role in the manufacture of consumer goods as well as small and large home appliances, which have become ever-present in our daily lives. In view of a rising middle class in an increasingly urban population worldwide, manufacturers are continuously striving to create stronger, lighter and more durable products offering excellent aesthetics, greater functionality and higher performance along with sustainable energy and resource efficiency. Key driving needs of these industries are waste reduction, circularity, use of renewable feedstock, and enhanced consumer appeal.

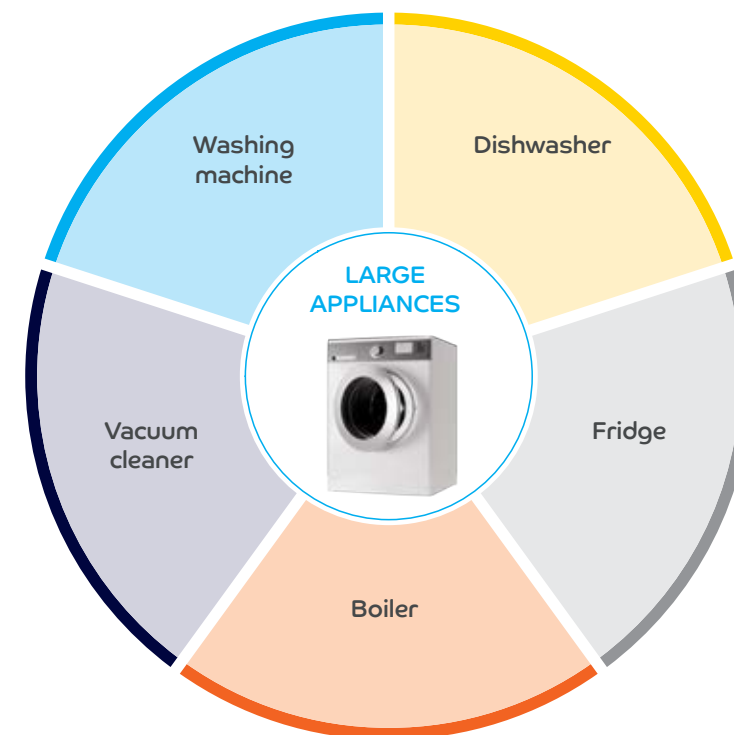
SABIC offers tailor-made solutions to meet these challenges; with a broad portfolio of engineering thermoplastics and polymer solutions- Polypropylene, Acrylonitrile Butadiene Styrene (ABS), Polybutylene Terephthalate (PBT), Polystyrene (PS), Polycarbonate (PC), Polyethylene Terephthalate (PET), Polyethylene (PE), High-Density Polyethylene (HDPE)-, that supports design for recyclability and offer compliance with safety regulations while providing enhanced aesthetic appeal. Our collaborations with value chain partners and brand owners for sustainable consumer goods,

and appliances align closely with SABIC's TRUCIRCLE™ portfolio and services to accelerate the journey towards circularity and reduce the climate impact of these products.

The Sports & Leisure industry is a big user of foamed products that provide the core of many applications, as well as for total end-product solutions. Polymeric foams play an important role to address many challenges faced by the industry, such as light weighting, cushioning, softness, impact resistance and durability.

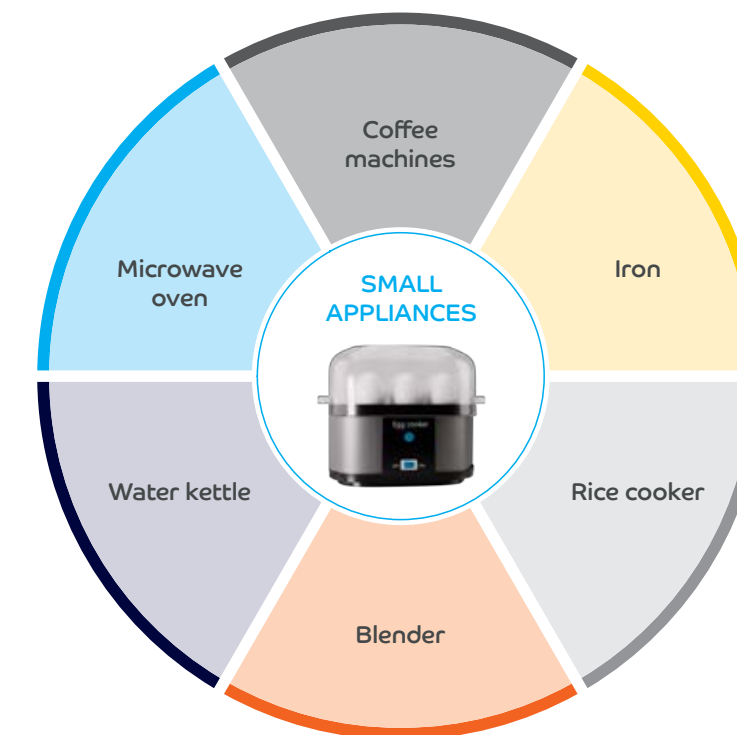
LARGE APPLIANCES

- Washing machine
- Dishwasher
- Fridge
- Boiler
- Vacuum cleaner



SMALL APPLIANCES

- Coffee machines
- Iron
- Rice cooker
- Blender
- Water kettle
- Microwave oven



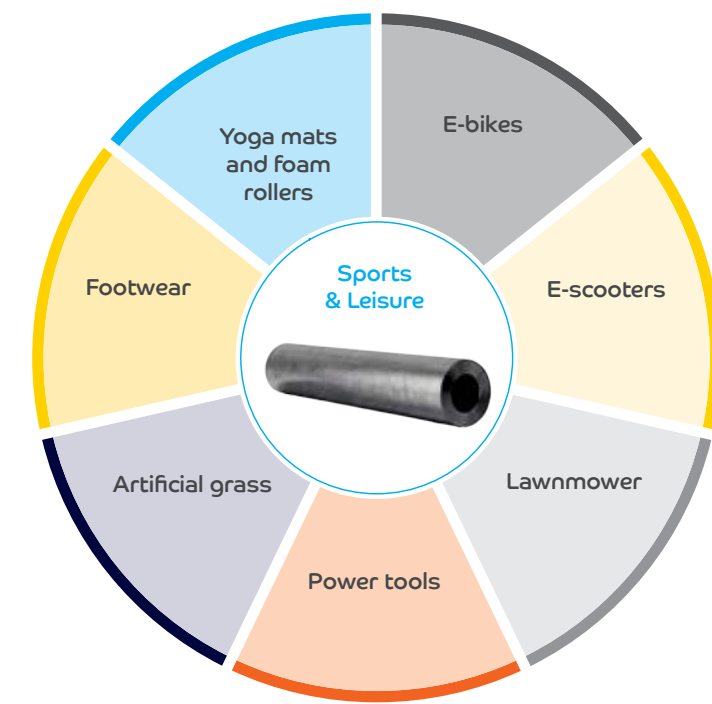
CONSUMER GOODS

- Durable household containers
- Reusable straws
- Suitcases and luggage
- Eyeglasses
- Toiletries
- Furniture



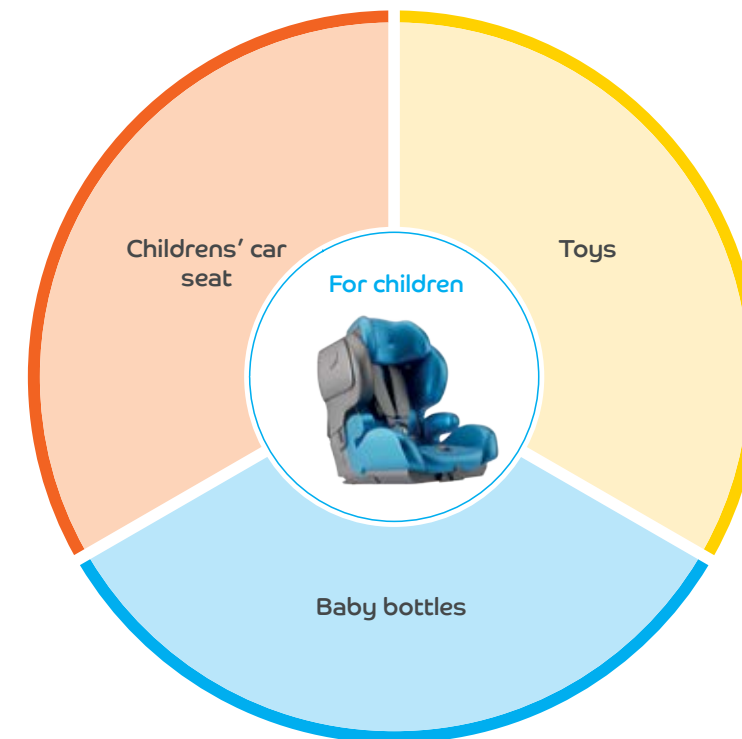
SPORTS & LEISURE

- E-bikes
- E-scooters
- Lawnmower
- Power tools
- Artificial grass
- Footwear
- Yoga mats and foam rollers



FOR CHILDREN

- Toys
- Baby bottles
- Childrens' car seat



Laser Direct Structuring (LDS) Solution for Earphones

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- High flow for small parts with complicated structures
- Heat resistance required for high temperature assembly process
- Flame resistance with a good balance of mechanical properties
- Each part weighs <100 grams

VALUE PROPOSITION



- Dimensional stability
- Good aesthetics
- Flame retardant
- Heat resistance



Sustainability Solution for Cosmetic Applications

LNPT™ ELCRIN™ Compounds



SOLUTION SUMMARY

- Sustainability grade for carbon footprint reduction
- Better chemical resistance, compared to alternative options while maintaining drop/impact strength
- Formulation locked as required by such applications
- Each part weighs <100 grams

VALUE PROPOSITION



- FDA compliant
- Sustainability
- Chemical resistance
- Easy processing



Children Car Seat

SABIC® PP PHC27 Copolymer



SOLUTION SUMMARY

- Ensures compliance with European safety standard
- Has good aesthetics and ease of processing
- SABIC material share of this application is 70%



VALUE PROPOSITION



- Safety compliance
- ECE-R129 (crash testing)
- Superior mechanical performance
- Easy processing and aesthetics
- 10% in weight reduction

Tricycle

SABIC® PP 37MK10R Impact Copolymer



SOLUTION SUMMARY

- High impact performance, good stiffness, good process ability, low shrinkage
- Used as a solution for tricycle which required excellent physical properties and high safety standards
- SABIC material share of this application is 40%



VALUE PROPOSITION



- Superior mechanical properties
- Good dimensional stability
- Good process-ability

Housewares Storage Box

SABIC® PP 5706P Polymer



SOLUTION SUMMARY

- High stiffness, good flow ability, excellent glossiness
- Suitable for housewares storage box
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High stiffness leads to more rigidity
- Excellent optical
- Good process-ability



Mattress and Furniture

SABIC® POLYOL 0548 / 0656/ 0434/1127/1529, SABIC® TDI 0380 Polyurethane Foam



SOLUTION SUMMARY

- Used in the production of bed mattresses and sofas
- Provides comfort and high elasticity
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Design freedom
- Easy processing
- Light weight
- Durability



Bathroom Shower Drain

SABIC® PP Compound 55T1030B



SOLUTION SUMMARY

- One material solution
- Now used as reference for new customer projects
- SABIC material share of this application is 100%

VALUE PROPOSITION

- One material solution



Toilet Flush System

SABIC® PP 528K Polymer



SOLUTION SUMMARY

- Good processability, high stiffness, clarity, good printability
- Suitable for toilet flush system
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Good clarity
- High stiffness
- Easy processing



Earphone Housing

NORYL™ Resins



SOLUTION SUMMARY

- Good bonding strength with silicone and heat resistance for hardening of silicone
- Easy processing and strength for thin-wall parts
- High modulus for good sound effect
- Each part weighs <100 grams

VALUE PROPOSITION



- Chemical resistance
- Easy processing
- Mechanical strength
- Heat resistance



Appliances

CYCOLAC™ Resin MG47



SOLUTION SUMMARY

- Designed for appliances applications like washing machines, refrigerators
- Excellent toughness properties
- Dimension stability and ease of machining
- First choice for appliances applications
- SABIC material share of this application is 20%

VALUE PROPOSITION



- Good Mechanical Properties
- Ease of Machining
- Excellent Toughness Properties
- Dimension Stability



Arm Table for Schools

SABIC® PS 330 Polystyrene

SOLUTION SUMMARY

- Offers a suitable solution in school furniture by replacing the wood filling
- Impact strength, light weight, and scratch resistance
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Good Mechanical Properties
- Surface Finish
- Sustainable solutions
- Dimension Stability



Arm Table

CYCOLAC™ Resin MG47F

SOLUTION SUMMARY

- Ideal for creating sturdy and long-lasting arm tables
- Excellent impact resistance, rigidity, and dimensional stability
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Higher durability
- Good Mechanical Properties
- Sustainable solutions
- Dimension Stability



Bulk Continuous Fiber (BCF) Yarn for Carpets

SABIC® PA6 S27 Polyamide



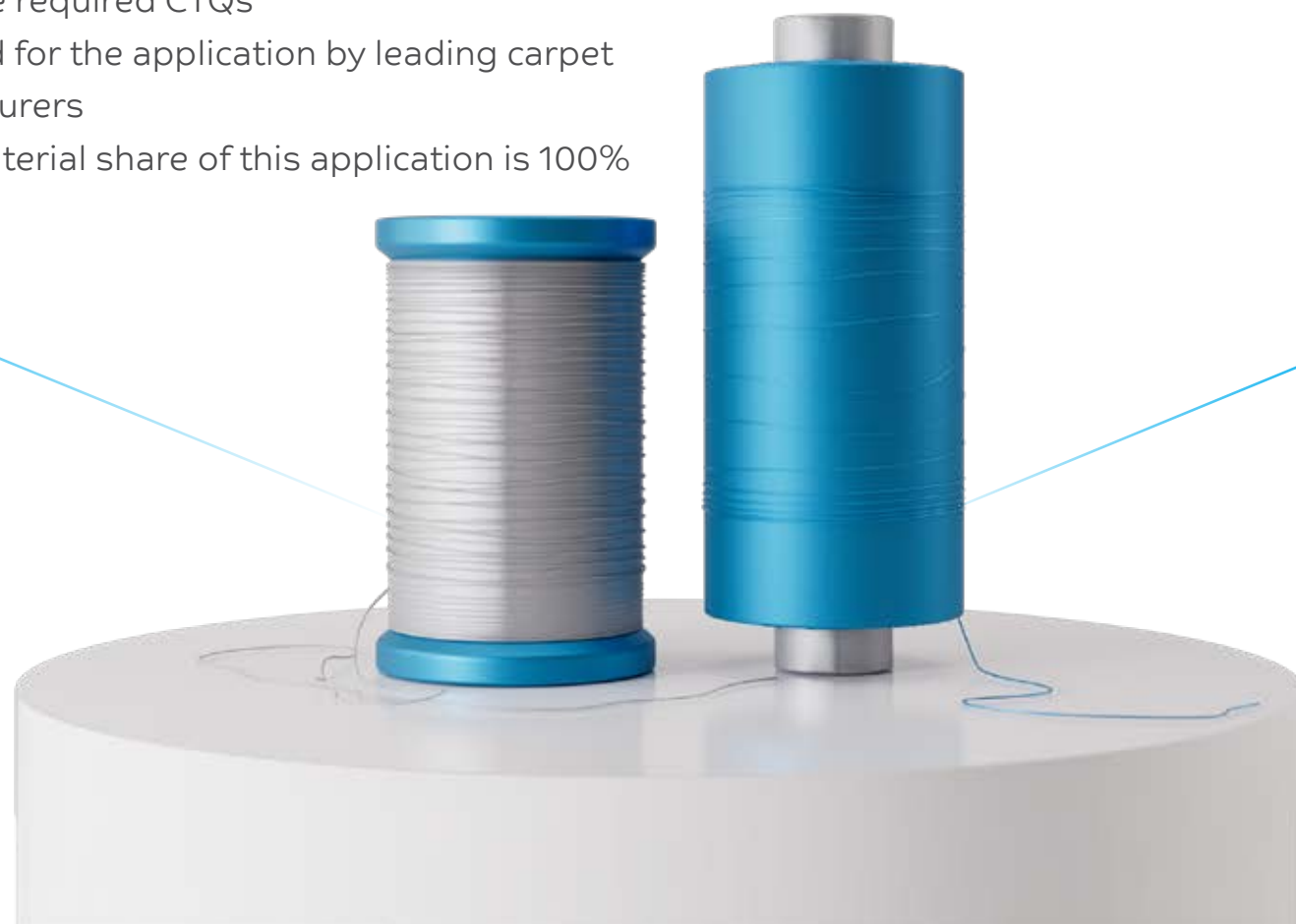
SOLUTION SUMMARY

- Used for Bulk Continuous Filament yarn for institutional carpets
- Superior weatherability, abrasion resistance & excellent dyeability
- Meets the required CTQs
- Approved for the application by leading carpet manufacturers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Superior weatherability
- Abrasion resistance & Excellent dyeability



Crates and Molded Cases

SABIC® HDPE M200050 Polymer



SOLUTION SUMMARY

- Developed with narrow molecular weight distribution
- Suitable for injection molding applications
- Designed to give good flow properties, low warp age with good dimensional stability and high gloss
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Easy processing
- High rigidity & Good impact strength



Housewares

SABIC® HDPE M40053S Polymer



SOLUTION SUMMARY

- UV stabilized grade with narrow molecular weight distribution
- Suitable for injection molding applications
- Provides good balance of stiffness and impact at low temperatures
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good Impact Resistance
- Good Flow ability & Low Warpage



Household Container

SABIC® HDPE M40055S Polymer



SOLUTION SUMMARY

- Especially developed for injection molding applications
- Provides good balance of stiffness, impact at low temperatures
- UV stability for outdoors applications
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good Impact Resistance
- Good Flow ability & Good ESCR



Household Container

SABIC® HDPE M40060/S Polymer



SOLUTION SUMMARY

- Designed with narrow molecular weight distribution
- Suitable for injection molding applications
- Gives good rigidity, excellent toughness and low warp age
- Comes also with UV stabilized version
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good Impact Resistance
- Low Warpage



Foam Roll

SABIC® LDPE HP2024JDF & HP2022NDF Polymers



SOLUTION SUMMARY

- Meets customers' requirements for the foaming extrusion process and their applications
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good processibility
- Excellent foamability
- High purity
- High Melt strength



Egg Maker Capsule

NORYL™ Resins



SOLUTION SUMMARY

- FDA approved
- Heat and hydrolysis resistance that has passed customer steam tests
- Good strength for mechanical lock design and part durability
- Each part weighs <100 grams

VALUE PROPOSITION



- Food contact approval
- Hydrolysis resistance
- Mechanical strength
- Heat resistance



Large Appliance Control Unit Enclosure

NORYL™ Resins



SOLUTION SUMMARY

- Good balance of heat and electrical performance
- Low warpage and dimensionally stable
- Meets stringent flammability ratings for thin-wall parts
- Each part weighs ~1 kg

VALUE PROPOSITION



- ECO flame retardant
- Dimensional stability
- Low warpage
- Easy processing



Safety Helmet

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Impact strength is a key consideration, passing customer's stringent tests in a broad temperature range
- Other requirements include weatherability for outdoor use and pre-colored
- Each part weighs ~300 grams

VALUE PROPOSITION



- Impact resistance
- Weatherability
- Easy processing
- Colourable



Walkie Talkie Chassis and Housing

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Good mechanical properties
- Can be welded against self and other materials
- Being a hand-held device, used in different environments, it has to be resistant to many chemicals
- Each part weighs ~300 grams

VALUE PROPOSITION



- Chemical resistance
- Impact resistance
- Dimensional stability
- Easy processing



Consumer Luggage

SABIC® PP Compound 88MK40T



SOLUTION SUMMARY

- Very high impact resistance performance
- Low odor to optimize venting process for luggage and suitcase applications
- SABIC material share of this application is 100%



VALUE PROPOSITION



- Weight saving
- Low odor to optimize venting process

Water Hose

SABIC® SPVC 70S Polyvinyl Chloride



SOLUTION SUMMARY

- Used in the production of pipes for water and gas distribution, automotive parts, inflatable boats and rafts, and vinyl records
- Strong, durable, and resistant material
- Can withstand high pressure, extreme temperatures, and harsh environments
- SABIC material share of this application is 60%



VALUE PROPOSITION



- Durability
- Lifetime
- Flexibility
- Mechanical strength

Baby Bottles

SABIC® PP PCGR40 Random Polymer



SOLUTION SUMMARY

- Used for developing a 'clean by manufacturing' baby bottle in different sizes
- No sterilization is needed before use
- High transparency
- Medically and food contact grade approved
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Regulatory Compliance / Organoleptic properties
- Recyclability/ sustainability
- Easy Processing
- Stretch Blow Moulding (good stiffness and stretch)



Housewares, Home Appliance

SABIC® PP 511MK41T Polymer



SOLUTION SUMMARY

- Good surface aesthetics with no visible white spots in color chip
- Lower shrinkage
- Suitable housewares and home appliances
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good surface aesthetics
- No visible white spots in color chip
- Lower shrinkage gap
- Less warpage



Nano Molding Technology Solution for Smart Watch Middle Frame

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Can be injected into metal surface which has been treated with a special chemical solution, replacing the traditional processes
- Material toughness with good chemical resistance are needed for wearables
- Each part weighs <100 grams

VALUE PROPOSITION



- Chemical resistance
- Impact resistance
- Dimensional stability
- Easy processing



Sweeping Robot Duster Cloth Holder

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- This tough material passed customer's drop tests
- Provides air-tightness for improved efficiency
- Excellent chemical resistance reduces risk of cracking during use
- Each part weighs <100 grams

VALUE PROPOSITION



- Low temperature impact resistance
- High stiffness
- Chemical resistance
- Easy processing



Eye Robot Side Housing

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Flame resistance required for this appliance part
- Transparent, allows infrared light transmission for functionality
- Good impact performance is required for prolonged part life
- Each part weighs ~100 grams

VALUE PROPOSITION



- ECO flame retardant
- Transparent
- Easy processing
- Impact resistance



Hair Dryer Body

ULTEM™ Resins



SOLUTION SUMMARY

- Good heat resistance helps customer simplify inner electronic designs
- Appealing aesthetics and colorable, material passed customer's drop tests
- Flame resistance needed for this appliance part
- Each part weighs ~150 grams

VALUE PROPOSITION



- Heat resistance
- Inherent flame retardant
- Dimensional stability
- Good mechanical properties



Transparent Jugs

SABIC®PMMA 60MS Acrylic



SOLUTION SUMMARY

- Special medium flow PMMA grade
- Suitable for injection molding
- Has exceptional transparency and gloss for thick items
- Ease of processing
- Suitable for homeware applications, such as jugs
- SABIC material share of this application is 100%



VALUE PROPOSITION



- Balanced Melt Strength & Viscosity
- High Light Transmission
- Better Weathering & UV Resistance
- Easy Processing

Sustainability Solution for Diving Suit Valve

LNP™ ELCRIN™ Compounds

SOLUTION SUMMARY

- Sustainability grade for carbon footprint reduction
- Able to replace existing material without costs of new tools and can be pre-colored
- Resistant to sea water and cleaning chemicals
- Each part weighs <100 grams



VALUE PROPOSITION

- Sustainability
- Chemical resistance
- Impact resistance
- Colorable

Jewel Boxes, Watch Boxes, Gift Boxes, Containers

SABIC® PS 125 Polystyrene



SOLUTION SUMMARY

- Suitable for different injection molding applications, such as jewelry and gift boxes, tumblers, containers, etc.
- Medium flow and high clarity
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Transparency
- Availability, Lower lead time
- Compliance with Food safety
- Excellent processability



ELECTRICAL & ELECTRONICS

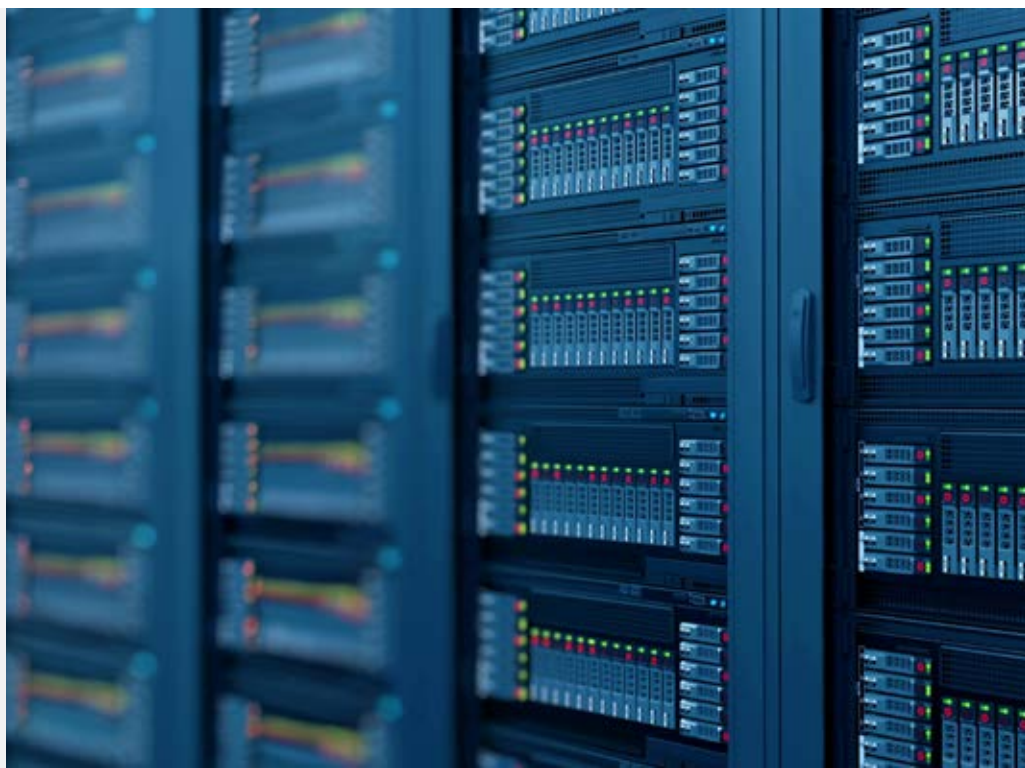


SABIC SOLUTIONS FOR ELECTRICAL & ELECTRONICS

Electronics are being woven more and more deeply into the fabric of everyday life. The Internet of Things is building technology into our cities, homes, offices and automobiles, creating a new generation of smart devices. At the same time, the fierce pace of development and competition in the electronics markets drives a constant demand for thinner, lighter, more energy-efficient devices. To meet these challenges, manufacturers need to make products that are cost-effective to produce, yet meet consumers' expectations for style, ease of use and sustainability.

SABIC's engineering thermoplastic (ETP) and polyolefin solutions can be used along the entire energy value chain. From solar voltaics to electrification, we offer our customers one of the broadest portfolios of advanced materials in the industry.

For example, components in the energy distribution chain and energy storage, such as smart meters, connectors and energy storage systems, are produced using thermoplastics that offer the required mechanical and electrical properties, as well as flame retardancy, to meet the stringent industry standards

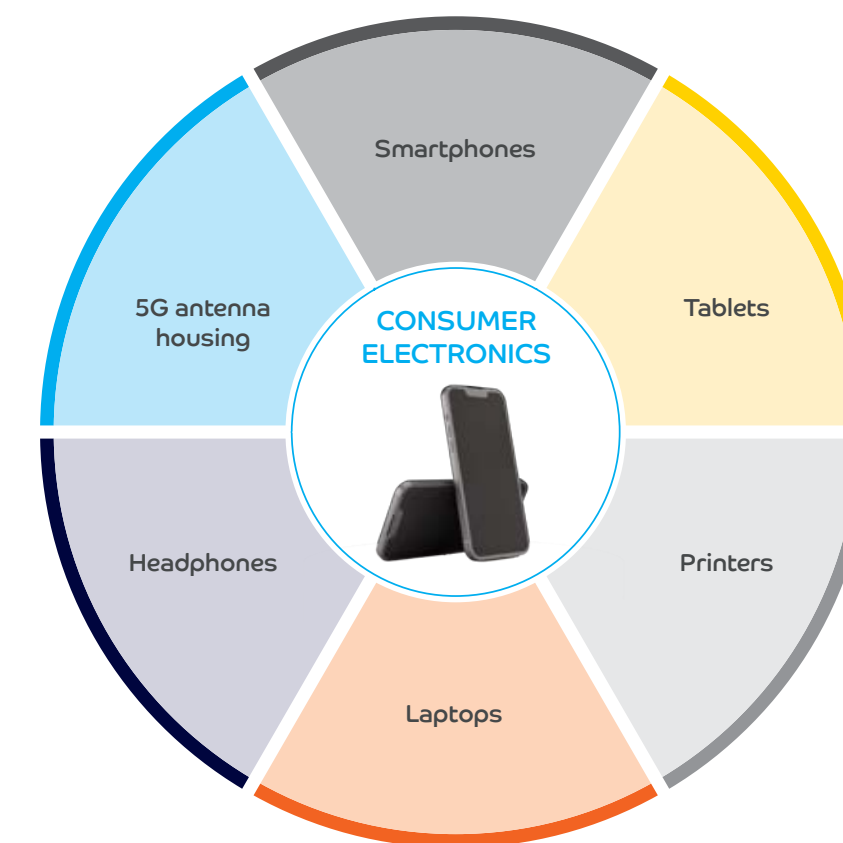


In addition, the expected growth in Electrical Vehicles (EVs) will need an increased EV charging infrastructure with domestic and public chargers. Today, many public chargers are made of metal. As production increases, low temperature impact ETP solutions will play an important role in their design and performance.

CONSUMER ELECTRONICS

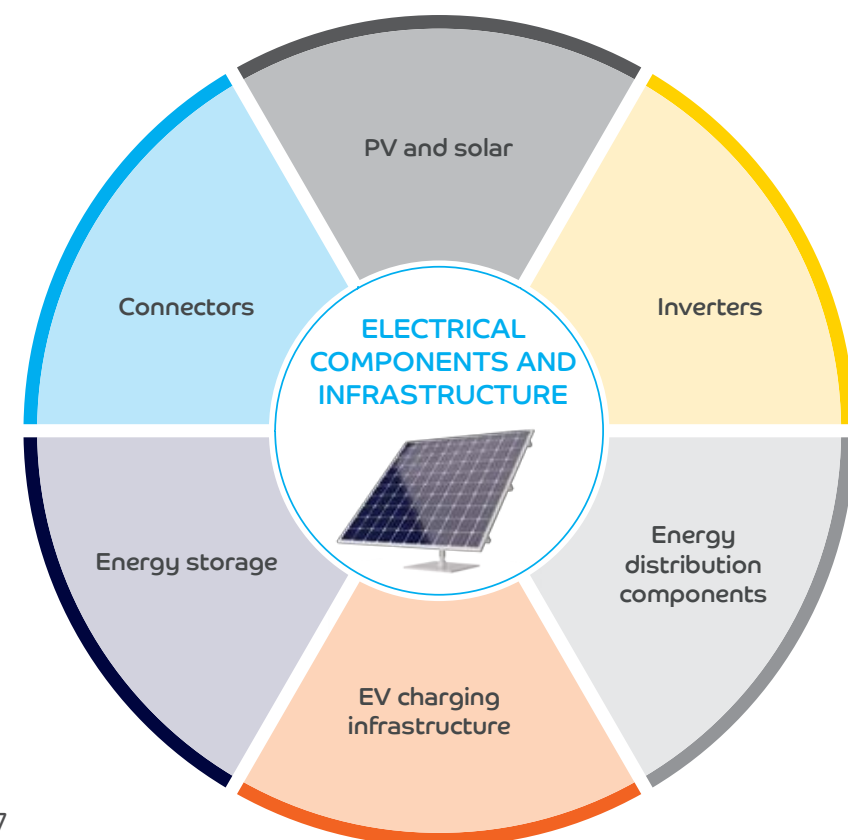
As consumer electronics continue to evolve, global advancements in the materials that go into them are key to enabling innovation. Differentiation in design and style is essential to driving commercial success in a very competitive domain.

Combining excellent mechanical properties, versatile colorability, and processability, SABIC's thermoplastic technology can help make products more durable, reliant, lighter, responsive and visually unique.



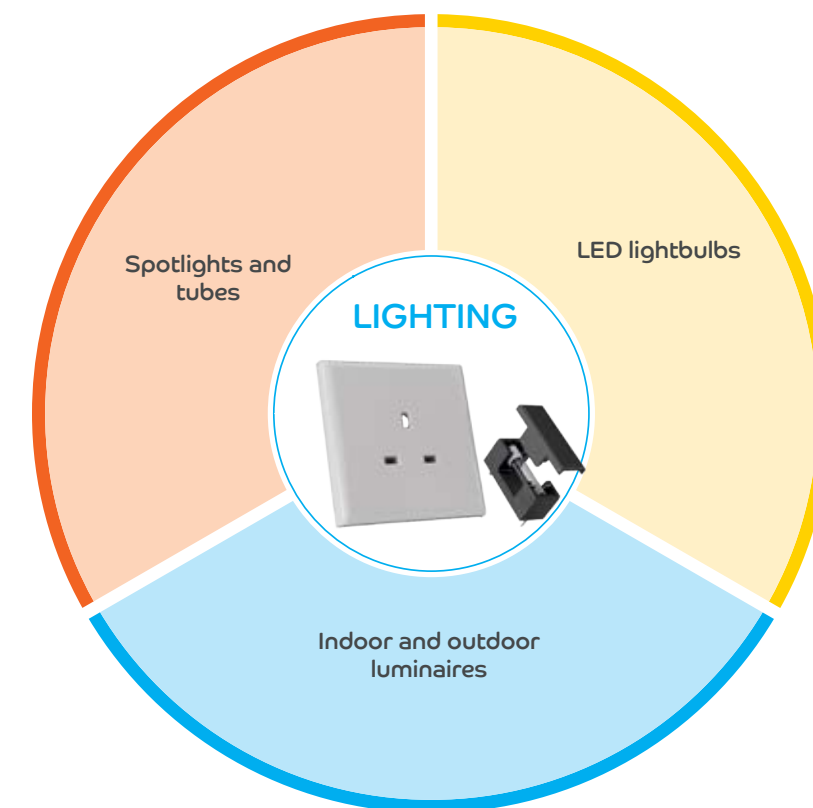
ELECTRICAL COMPONENTS AND INFRASTRUCTURE

SABIC provides a wide range of high performance material solutions for various segments in the electrical industry. Our solutions can help customers address today's top challenges: smaller & thinner components, energy storage and management, cost effective design, longer product life, more stringent regulations and enhanced sustainability.



LIGHTING

SABIC provides a wide range of high-performance materials for light-emitting diode (LED) lighting that can help customers address today's top challenges: enhancing designs and aesthetics, extending useful life and greater sustainability and improving cost-effectiveness vs. metal.



Dielectric Solution for 5G Base Stations

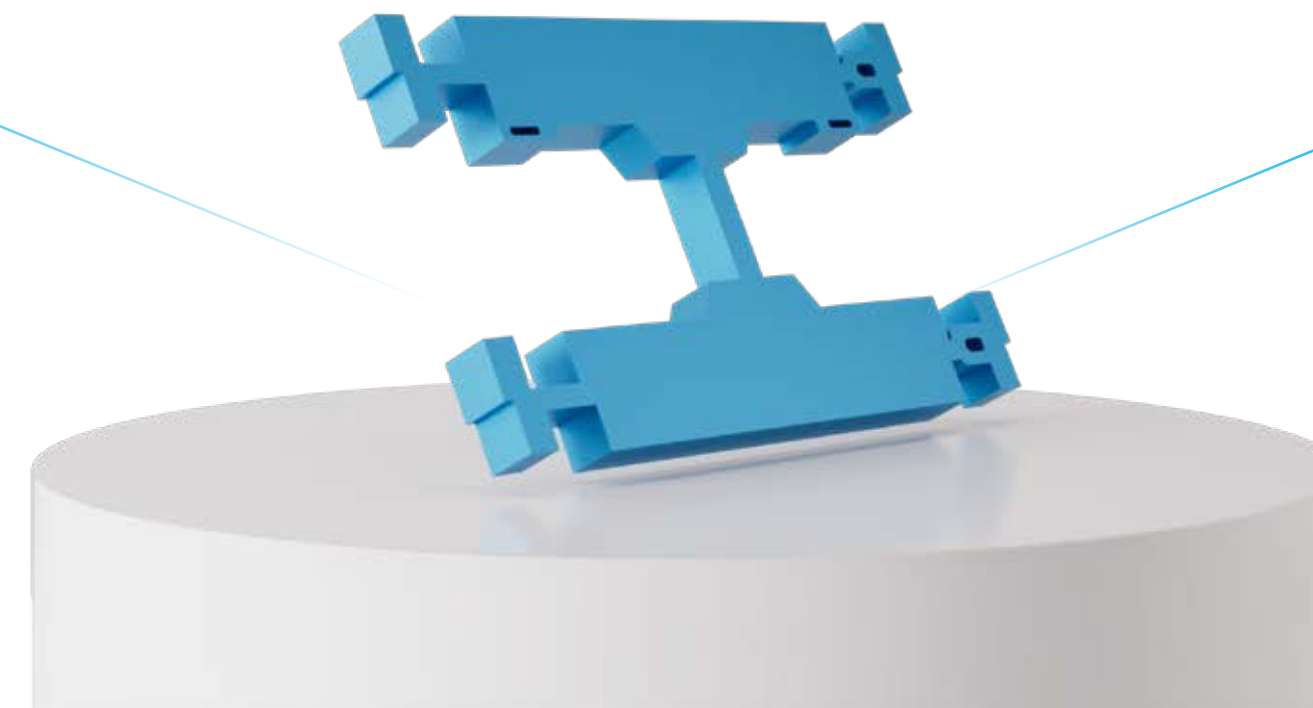
LNPTM THERMOCOMP™ Compounds

SOLUTION SUMMARY

- Stable dielectric properties across different frequency and temperatures
- Can maintain good impact and dimensional stability across broad environmental temperature range
- Each part weighs ~ 300 grams

VALUE PROPOSITION

- Outstanding Dielectric performance
- High temperature resistance
- Dimensional stability
- Good mechanical properties



Databox Panels for Cloud Computing

LNPT™ ELCRIN™ Resins



SOLUTION SUMMARY

- Tough, impact resistant
- Upgraded with sustainability grade for carbon footprint reduction
- Flame resistant and colorable
- Each part weighs ~500 grams

VALUE PROPOSITION



- Sustainability
- Colourable
- Impact resistance
- Flame resistant



Notebook Covers

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Robust flame performance
- Good balance of dimensional stability, flatness and impact resistance
- Good flow for thin wall processing
- Each part weighs around 100 grams

VALUE PROPOSITION



- Flame retardant
- High strength
- Low warpage
- Good flow



Gaming Controller - Lubricated Thumb-Stick Holder

LNPT™ LUBRILLOY™ Compounds



SOLUTION SUMMARY

- Low wear and friction
- Dimensional stability, enabling smooth and quiet operation
- Passed rotation and wear tests
- Meets part requirement on flame resistance with high-gloss finishing
- Each part weighs <100 grams

VALUE PROPOSITION



- Wear resistance
- Dimensional stability
- Flame retardant
- Easy processing



Sustainability Solution for Smart Phone Case

LNPT™ ELCRIN™ Compounds



SOLUTION SUMMARY

- Sustainability grade for carbon footprint reduction
- Better chemical resistance compared to alternative options while maintaining drop/impact strength
- Each part weighs <100 grams

VALUE PROPOSITION



- Sustainability
- Colourable
- Impact resistance
- Chemical resistance



Nano-molding Technology Solution for Tablet Antenna

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Can be injected into metal surface which has been treated with a special chemical solution, replacing traditional processes
- Flame resistant, good color stability, can be processed easily
- Each part weighs ~ 100 grams

VALUE PROPOSITION



- Low warpage
- Colour stability
- Easy processing
- Flame retardant



Insulator of 5G Radio Frequency Connector

NORYL™ Resins



SOLUTION SUMMARY

- Good dielectric properties to minimize transmission signal loss when in use
- Heat resistance helped to pass welding process
- Dimensionally stable to ensure no deformation during production and use
- Each part weighs <100 grams

VALUE PROPOSITION



- Heat resistance
- Impact resistance
- Dimensional stability
- Good dielectric properties



Laser Direct Structuring Solution for Smartphone Rear Cover & Speaker Top Cover

LNP™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Laser Direct Structuring (LDS) process for selective metallization of injection molded parts
- Allows fast and easy design changes
- Light weight and dimensional stability
- Each part weighs <100 grams

VALUE PROPOSITION



- Laser Direct Structuring capable
- Light weight
- Dimensional stability
- Easy processing



Anti-microbial Solution for Smart Phone Protective Case

LNP™ ELCRES™ Resins



SOLUTION SUMMARY

- Anti-microbial material desired due to pandemic awareness and concerns
- Scratch resistant with good weatherability for smart phone cases
- Each part weighs <100 grams

VALUE PROPOSITION



- Anti-microbial properties
- Weatherability
- Scratch resistance
- Good transparency



Electrically Conductive Solution for Integrated Circuit (IC) Chip Trays

LNP™ STAT-KON™ Compounds



SOLUTION SUMMARY

- Prevents static-electricity build-up that could damage electronic components
- Requirements include heat resistance for high temperature processing and dimensional stability to secure the components in trays
- Each part weighs <100 grams

VALUE PROPOSITION

- Dimensional stability
- Electrically conductive
- Heat resistance
- Low warpage



Electric Heater Block

NORYL™ Resins



SOLUTION SUMMARY

- Meets potable water agency approvals
- High strength for effective sealing between lid and center part to withstand high water pressures
- Long-term performance in water environment
- Each part weighs ~2kg

VALUE PROPOSITION

- Water agency approvals
- Heat resistance
- Hydrolytic stability
- High stiffness



Anti-static solution for Semicon Reticle Case

LNP™ STAT-LOY™ Compounds



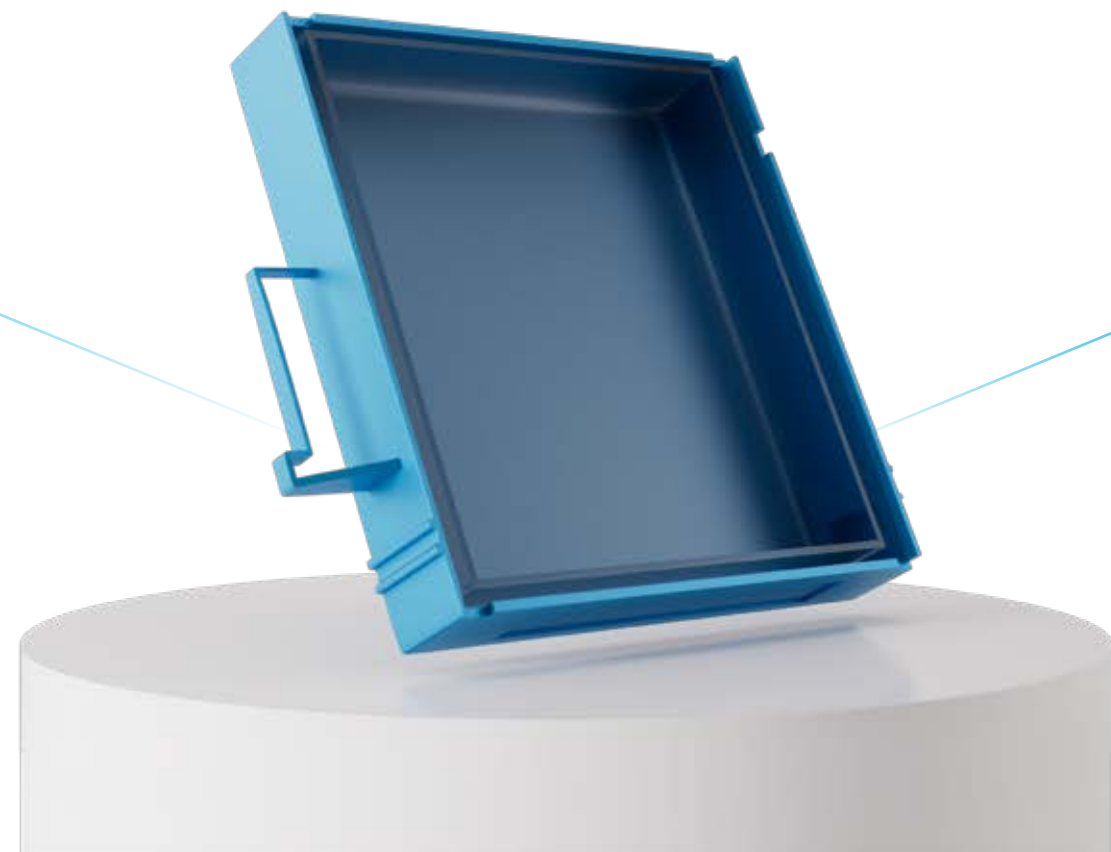
SOLUTION SUMMARY

- Low in certain contaminants which could be harmful to electronic components
- Can prevent static electricity harmful to electronic components
- High strength for this semicon application
- Each part weighs ~100 grams

VALUE PROPOSITION



- Impact resistance
- Anti-static
- Clean compound (low ionics, low out-gassing)
- Easy processing



Thermally conductive LCP solution for Semicon Burn-in Test Sockets (BiTS)

KONDUIT™ Resins



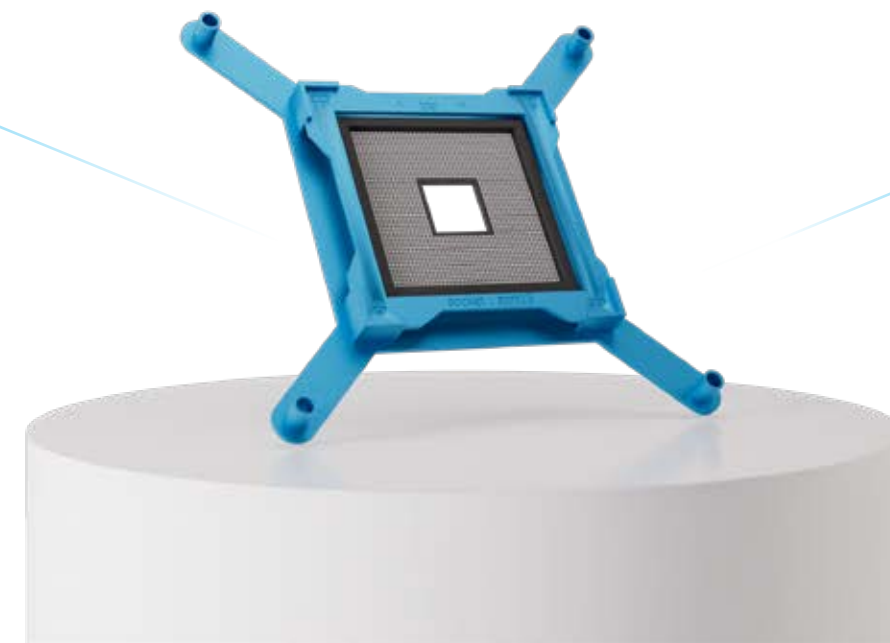
SOLUTION SUMMARY

- Such electronic precision parts with intricate designs require material to flow well
- Able to transfer heat
- Heat resistant, allowing the part to hold its critical dimensions well
- Each part weighs <100 grams

VALUE PROPOSITION



- Dimensional stability
- High flow
- Thermal conductive
- Heat resistance



Flexible Material Solution for Data Cable

NORYL™ Resins



SOLUTION SUMMARY

- Being flexible, it is a preferred option over PVC from the environmental perspective
- Flame retardant, low moisture uptake with good thermal stability making it a good candidate for such applications

VALUE PROPOSITION



- Flexible
- Thermal stability
- ECO flame retardant
- Low moisture absorption



Circuit Breaker Base

NORYL™ Resins



SOLUTION SUMMARY

- Robust flame resistance
- Meets certain standards applicable to circuit breakers
- Good mechanical strength, heat resistance and dimensional stability
- Each part weighs ~ 100 grams

VALUE PROPOSITION



- Dimensional stability
- Non-halogenated flame retardant
- Weatherability
- Heat resistance



Lubricated Solution for Virtual Reality (VR) Helmet Connectors

LNPT™ LUBRILLOY™ Compounds



SOLUTION SUMMARY

- Good impact properties for mechanical parts
- Low wear and friction, along with dimensional stability, enabling smooth operation and longer part life
- Each part weighs <100 grams

VALUE PROPOSITION



- Wear resistance
- Dimensional stability
- Impact resistance
- Easy processing



EMI Shielding solution for Gas Meters

LNPT™ FARADDEX™ Compounds



SOLUTION SUMMARY

- Can shield electromagnetic interference which affects meter performance
- Flame retardant with excellent impact strength
- Colorable, hence painting not required
- Each part weighs ~ 500 grams

VALUE PROPOSITION



- Non-halogenated flame retardant
- Excellent impact strength
- EMI shielding
- Colourable



Weatherable Solution for Virtual Reality (VR) - IR Transmitter Parts

LNP™ ELCRES™ Resins



SOLUTION SUMMARY

- High-gloss surface which also allows infrared light transmission for functionality
- Good weatherability and strength
- Material has passed customer's stringent reliability tests
- Each part weighs <100 grams

VALUE PROPOSITION



- Weatherability
- Good surface finishing
- Colorable
- Impact resistance



Fiber Optical Lens

ULTEM™ Resins



SOLUTION SUMMARY

- Good candidate that meets light transmission at certain frequencies without having signal loss
- Able to keep its critical dimensions due to wide temperature range performance
- Each part weighs <100 grams

VALUE PROPOSITION



- Heat resistance
- Good light transmission properties
- Dimensional stability
- Easy processing



Lightweight Augmented Reality (AR) Eyewear Leg Parts

ULTEM™ Resins



SOLUTION SUMMARY

- Resistant to high heat and cleaning chemicals, dimensional stable with well-balanced mechanical properties and good flow for complex designs
- Relatively lightweight for wearing comfort
- Each part weighs <100 grams

VALUE PROPOSITION



- Dimensional stability
- Easy processing
- Good mechanical properties
- Light weight



Hard Disk Drive Components

ULTEM™ Resins



SOLUTION SUMMARY

- Low in certain contaminants that could cause disk-drive failures
- High strength and heat resistance to ensure part integrity over extended use
- Dimensional stability for reliable part performance
- Each part weighs <100 grams

VALUE PROPOSITION



- Dimensional stability
- Low ionics and out-gassing
- High Strength
- Heat resistance



Fiber Optic Connectors

ULTEM™ Resins



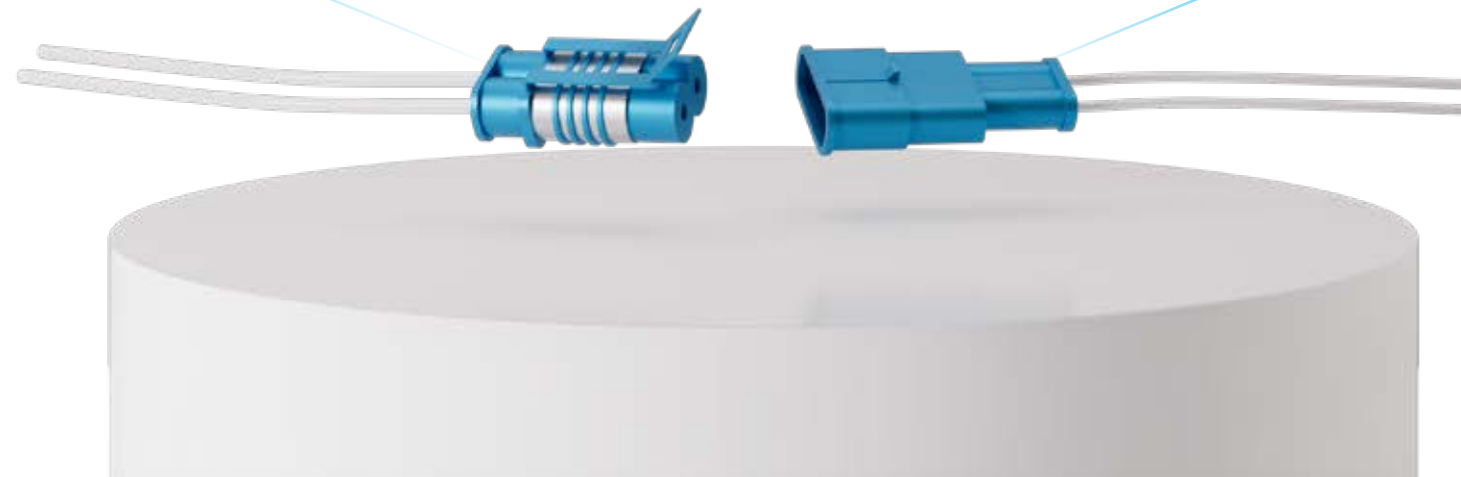
SOLUTION SUMMARY

- Good heat resistance, dimension stability and mechanical strength to pass customer durability tests
- Easy processing material to fill thin-wall and intricate parts
- Each part weighs <100 grams

VALUE PROPOSITION



- Heat resistance
- Good mechanical properties
- Dimensional stability
- Easy processing



Laser Direct Structuring (LDS) Capability for 5G-enabled Applications

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Laser Direct Structuring (LDS) is a process for selective metallization of thermoplastics injection molded parts
- Better dimensional stability helps to reduce warpage and its heat resistance allows for certain high temperature processes
- Each part weighs ~ 100 grams

VALUE PROPOSITION



- Optimized Laser Direct Structuring performance
- Heat resistance
- Excellent flow
- Dimensional stability



Ultra-thin Smartphone Battery Cover

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Superior flame retardance allows this thin-wall part to pass customers' stringent requirements on flame performance
- Excellent flow, provides excellent impact resistance when dropped and good chemical resistance to painting
- Each part weighs <100 grams

VALUE PROPOSITION



- Non-halogenated flame retardant
- Easy processing
- good chemical resistance
- Dimensional stability



Electrically Conductive Solution for Carrier Tapes

LNPT™ STAT-KONT™ Compounds



SOLUTION SUMMARY

- Extrudable into sheets to be thermoformed
- Electrically conductive to prevent static build-up that can damage components
- Dimensional stability to hold the components securely

VALUE PROPOSITION



- Extrudable
- Electrically conductive
- Good impact strength
- Dimensional stability



High Performance Printed Circuit Boards (PCBs) in 5G Base Stations and High-speed Servers

NORYL™ Resins

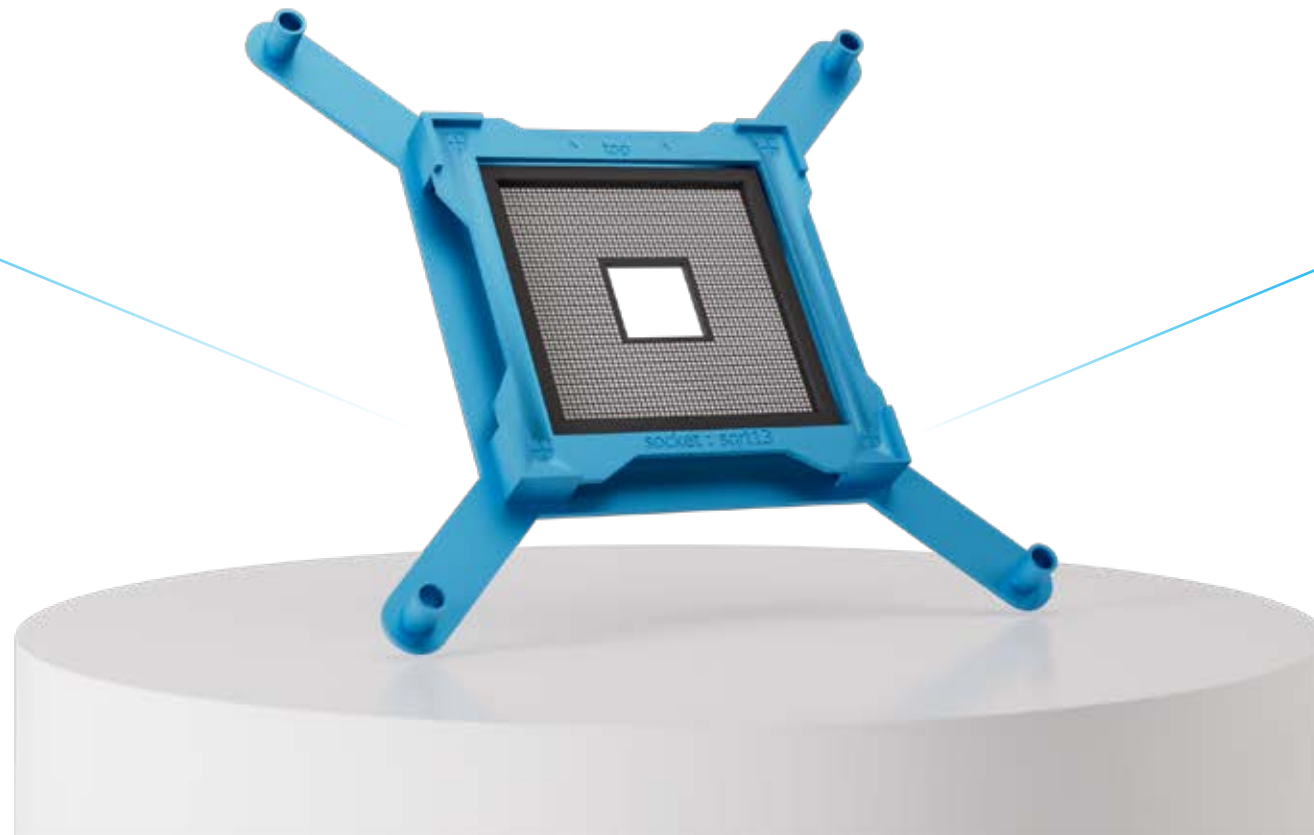


SOLUTION SUMMARY

- Offers producers of printed circuit boards (PCB) used in 5G network infrastructure the opportunity to develop effective products by balancing heat resistance and dimensional stability
- Part weight varies

VALUE PROPOSITION

- Soluble in conventional solvents
- Heat resistance
- Improved toughness
- Dimensional stability



Burn-in Test Sockets (BiTS) and Connectors

ULTEM™ Resins

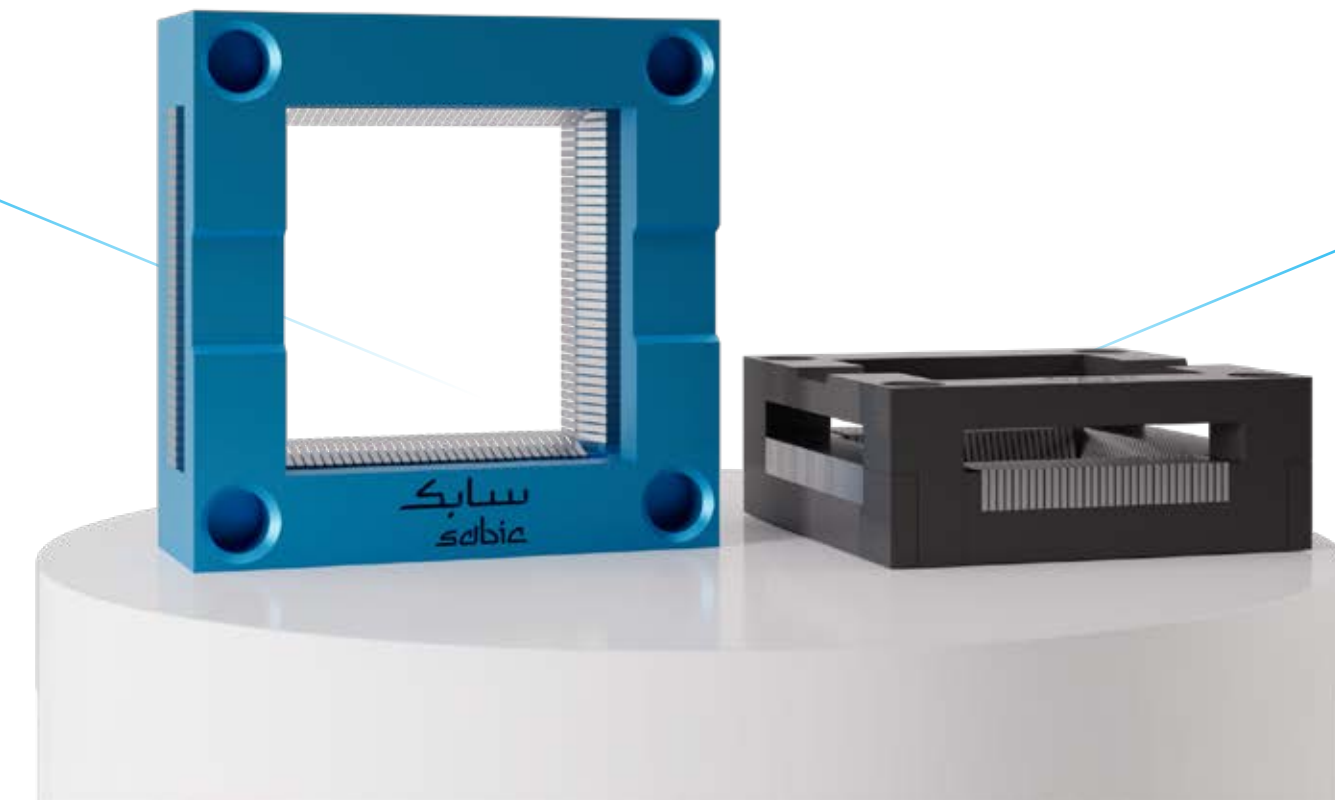


SOLUTION SUMMARY

- Small electronic precision parts with intricate designs require material to flow well
- Being heat resistant and balancing flow with toughness, they make a good candidate for this application
- Each part weighs <100 grams

VALUE PROPOSITION

- Exceptional flow properties
- High heat resistance
- Dimensional stability
- Inherently flame retardant



Photovoltaic Encapsulant Film for Solar Panel

FORTIFY™ Elastomer (POE)



SOLUTION SUMMARY

- An ethylene octene copolymer
- Fits the solution of encapsulant film in solar panels
- Excellent electrical performance with high moisture resistance
- Good optical performance and high flexibility
- SABIC material share of this application is 10%

VALUE PROPOSITION



- Good electrical performance
- Moisture resistance
- Optical performance
- Flexible
- Shelf life enhancement



Floating Tanks For Floating Solar Panels

SABIC® PP Compounds & SABIC® HDPE Polyethylene



SOLUTION SUMMARY

- Newly developed for floating photovoltaic application
- Produced by advanced Access Control Panel (ACP) technology
- Excellent environmental stress crack resistance, impact strength and good processability
- Lightweight, non-tox, weatherability
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Lightweight & Non toxic
- Weatherability
- Moisture resistance
- High impact strength



Photovoltaic Electrical System

LEXAN™ & VALOX™ Resins



SOLUTION SUMMARY

- One-stop-solution to enhance the production of photovoltaic electrical systems
- Optimize manufacturing process
- Improve the overall quality, efficiency, and durability of PV systems
- SABIC material share of this application is 20%

VALUE PROPOSITION



- Flame Retardant
- Good Impact Strength
- High Transparency available
- Weatherability



5G Antenna Cover

SABIC® PP Compound, STAMAX™ and LEXAN™ Resins



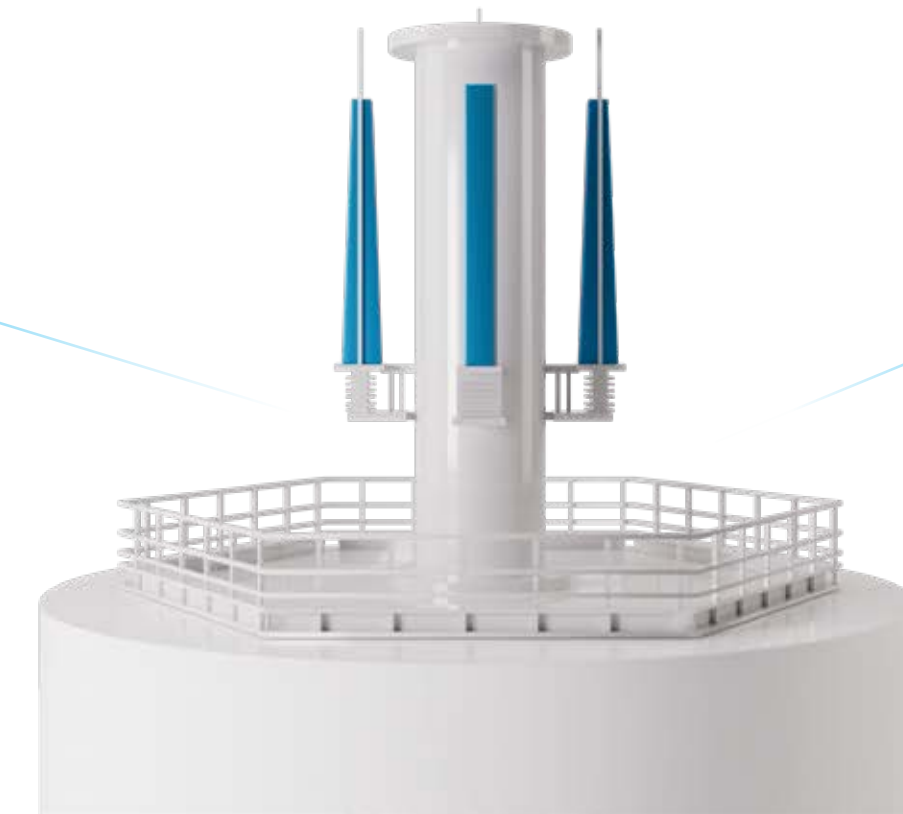
SOLUTION SUMMARY

- SABIC offers various materials for 5G antenna cover to replace SMC and PVC resins for better environmental friendly solution
- Multiple conversion process with extrusion and injection molding grades available
- SABIC material share of this application is 50%

VALUE PROPOSITION



- Flame Retardant available
- Good Impact Strength
- Weatherability



Low Voltage Wire & Cables

SABIC® EPDM657 Rubber



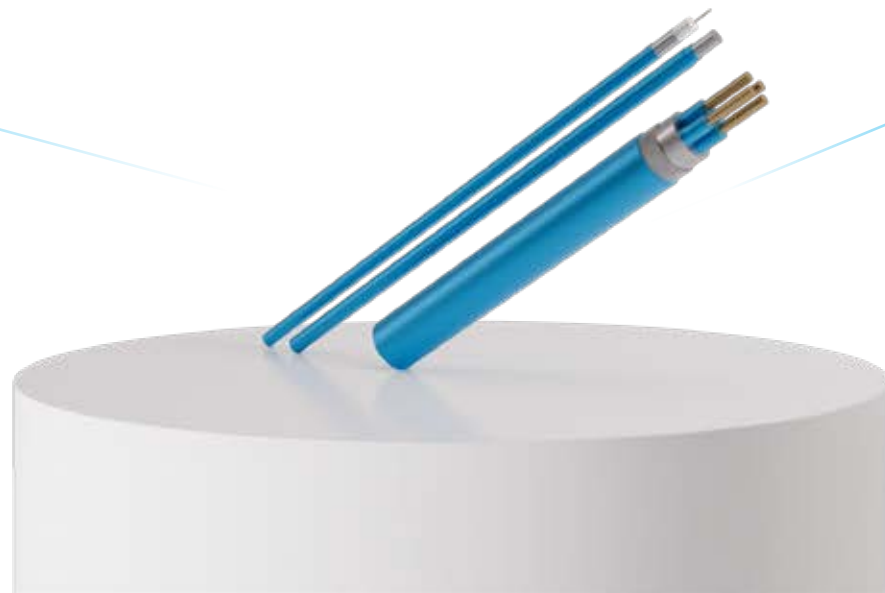
SOLUTION SUMMARY

- Excellent weather and thermal resistance
- Suitable for low voltage wire & cables, building profiles, door seals, industrial belts and hoses, etc.
- Excellent extrusion performance, good dimensional stability

VALUE PROPOSITION



- Excellent weather resistance
- High mechanical properties
- Good processability
- Flexible



Electrical Sockets & Vertical Fuses

SABIC® PP Compound H1030



SOLUTION SUMMARY

- Can withstand high temperatures
- Suitable for electrical sockets and other components that may be exposed to heat
- SABIC material share of this application is 80%

VALUE PROPOSITION



- Flame Retardant
- High impact



Electrical Enclosures

CYCOLACT™ Resin MG47F



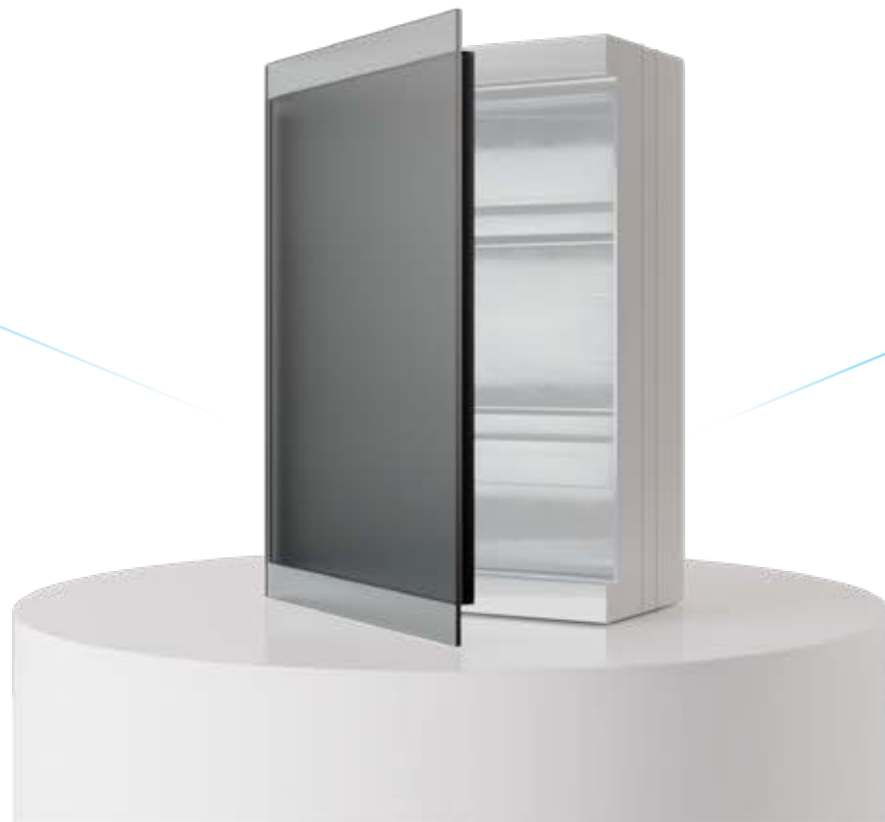
SOLUTION SUMMARY

- Designed for electrical enclosures
- Excellent resistance properties
- Dimension stability and ease of machining
- SABIC material share of this application is 70%

VALUE PROPOSITION



- Good Mechanical Properties
- Ease of Machining
- Dimension Stability
- Excellent Toughness Properties



Cable Industry

SABIC® HDPE C0549 Polymer



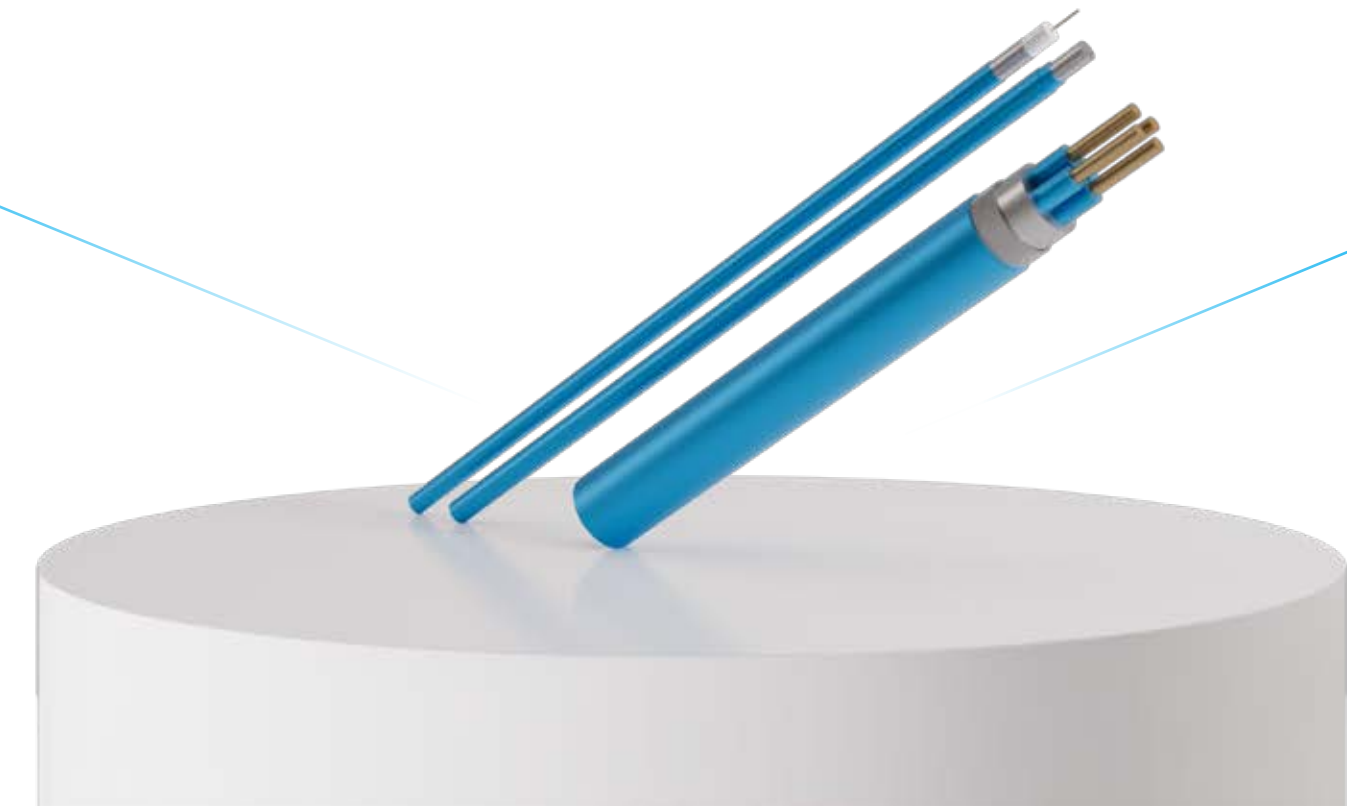
SOLUTION SUMMARY

- One of the great solutions for high voltage cable jacketing
- Superior mechanical properties
- Better aging and lower shrinkage rate
- SABIC material share of this application is 50%

VALUE PROPOSITION



- High mechanical properties
- Better aging
- Lower shrinkage
- Localization solution
- Better aging



Floating Solar Panels and Marine Docks

SABIC® HDPE B5308 Polymer



SOLUTION SUMMARY

- Specifically designed for blow molding floaters for floating photovoltaic panel systems
- Outstanding environmental stress crack resistance
- Excellent mechanical properties, very good toughness and stiffness balance
- Long lifetime and easy blow molding processability
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Excellent ESCR (Environmental Stress Crack Resistance) Performance: > 3000 h
- Good Process ability at Lower Processing Temperatures
- Improve Top Load Resistance with Good Rigidity



Sustainability Solution for Connectors

LNPT™ ELCRIN™ Compounds



SOLUTION SUMMARY

- Sustainability grade for carbon footprint reduction
- Electrical parts require flame resistance and good drop/impact strength
- Colorable for good aesthetics
- Each part weighs <100 grams

VALUE PROPOSITION



- Good mechanical properties
- Non-halogenated flame retardant
- Good aesthetics
- Sustainability



Lubricated solution for Circuit Breakers

LNPT™ LUBRICOMP™ Compounds



SOLUTION SUMMARY

- Good lubricating property for ease of operating frictional parts
- Heat resistance and high strength help to prolong life of this electrical application
- Each part weighs <100 grams

VALUE PROPOSITION



- Wear resistance
- Heat resistance
- Dimensional stability
- High stiffness



5G Road Side Unit Antenna Housing

LNPT™ ELCRES™ Resins



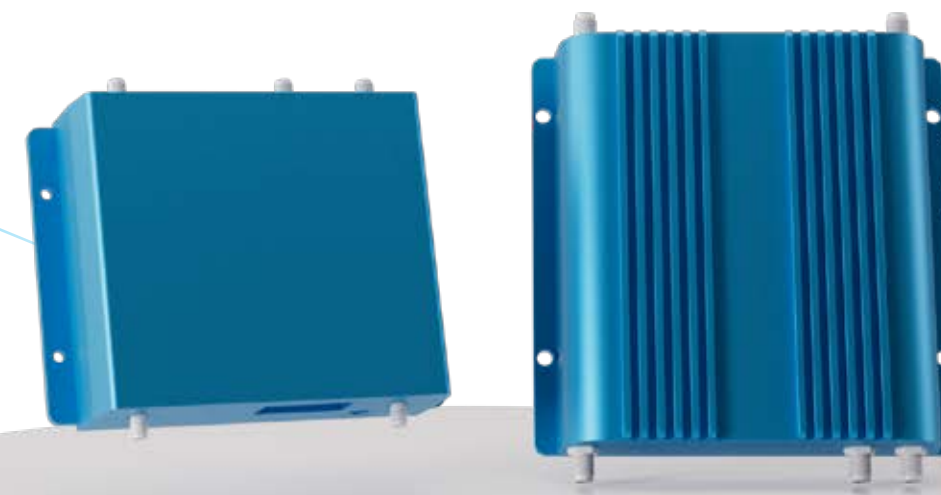
SOLUTION SUMMARY

- Good UV and impact resistance over broad environmental temperatures to enhance long-term reliability for outdoor applications
- Good dielectric properties help to optimize data transmission
- Each part weighs ~500 grams

VALUE PROPOSITION



- Low temperature impact resistance
- ECO flame retardant
- Weatherability
- Easy processing



5G Base Station- Active Antenna Unit Cooling Fan Cover

LNPT™ ELCRES™ Resins



SOLUTION SUMMARY

- Good UV and impact resistance over broad environmental temperatures to enhance long term reliability
- High strength and easy processing for this cover application
- Each part weighs ~1kg

VALUE PROPOSITION



- Low temperature impact resistance
- ECO flame retardant
- Weatherability
- Easy processing



Solar PV Micro Inverter Housing

NORYL™ Resins



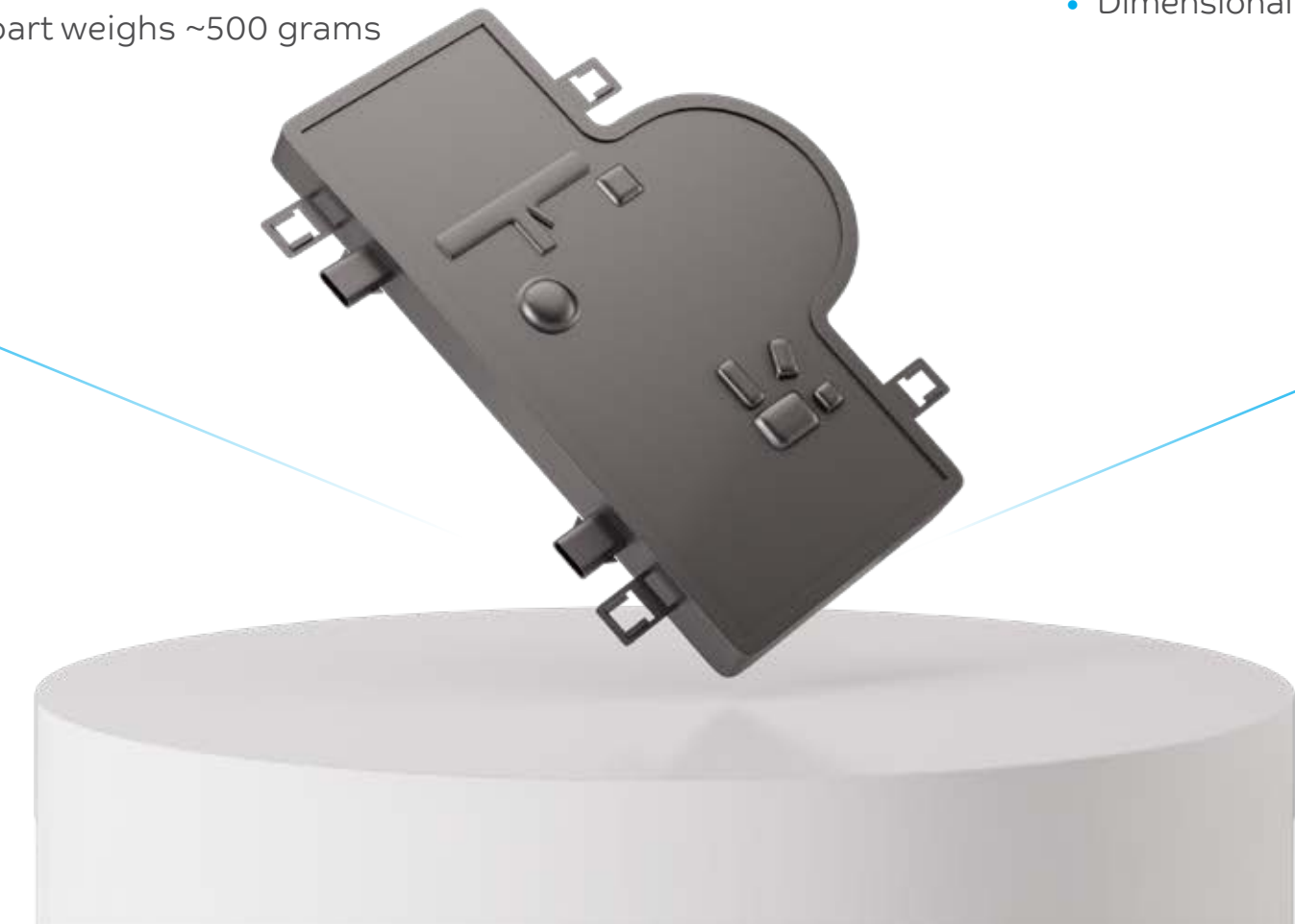
SOLUTION SUMMARY

- This application requires material to remain strong within a broad outdoor temperature range and good weatherability
- Flame retardant with good heat properties, making this material a good option
- Each part weighs ~500 grams

VALUE PROPOSITION



- ECO flame retardant
- Weatherability
- Low temperature impact resistance
- Dimensional stability



Drone Landing Gear Connectors

LNPT™ LUBRICOMP™ Compounds



SOLUTION SUMMARY

- Good balance of stiffness and impact resistance, dimensional stability, low wear and friction
- Provides smoother and softer operation
- Good weatherability to enhance overall drone durability
- Each part weighs <100 grams

VALUE PROPOSITION



- Wear resistance
- High stiffness
- Weatherability
- Easy processing



Wire and Cable Jacketing

FORTIFY™ (POE) Elastomer C0570D



SOLUTION SUMMARY

- Can be used as key component in low smoke halogen free W&C compound
- Improves flexibility, and mechanical properties
- SABIC material share of this application is 50%

VALUE PROPOSITION



- High Filler loading
- Halogen free



Computer Mouse

Mechanically Recycled XENOY™ Resin



SOLUTION SUMMARY

- Contains 20% recycled ocean plastic by weight in external casing
- SABIC material share of this application is 80%
- Edison Silver award winner for 2022

VALUE PROPOSITION



- Circular solution
- Aesthetics
- Ocean Plastic



HEALTHCARE



SABIC SOLUTIONS FOR HYGIENE AND HEALTHCARE INDUSTRY

SABIC is at the forefront of the industry, providing innovative materials and processing expertise to support our customers in the hygiene and healthcare industries. We understand the importance of addressing the changing requirements in these industries, and we are committed to meeting the growing demand for reliable and safe materials solutions.

As the elderly population continues to grow and chronic diseases are on the rise, the need for innovative healthcare applications is greater than ever. Additionally, emerging economies are experiencing easier access to healthcare, which further emphasizes the need for reliable materials for portable technologies and the reduction of healthcare associated infections. SABIC is dedicated to meeting these challenges and ensuring that our materials meet the increased regulations for medical devices and pharmaceutical products.

Our broad healthcare materials portfolio spans full product line from polyolefins to high performance plastics including, LEXAN™ HP (PC) resin, CYCOLAC™ HMG (ABS), VALOX™ HX (PBT), SABIC® PCG PP resin and SABIC® PE, as well as a variety of compounds. These materials are produced under good manufacturing practice (GMP) to meet stringent requirements of healthcare industry.

SABIC PURECARES™ solutions for hygiene and medical nonwoven applications address top market drivers in the hygiene and healthcare industry. PURECARES™ is a combination of two words "pureness" and "care", offering safe and clean solutions for patients and consumers.

SABIC's TRUCIRCLE™ program offers a solution to recycle plastic waste generated by the healthcare and hygiene industry.

HEALTHCARE SOLUTIONS

- Pharmaceutical Packaging
- Drug Delivery Devices
- Diagnostics Solutions
- Ophthalmic Solutions



HYGIENE SOLUTIONS

- Baby, adult & feminine hygiene
- Medical disposable surgical gowns and facemasks
- Wound absorption



EMI Shielding Solution for Electrosurgical Generator Housing

LNPT™ FARADDEX™ Compounds



SOLUTION SUMMARY

- Shields electromagnetic interference which affects equipment performance
- Eliminates copper-plating process, resulting in higher yields and lower costs
- Colorable to cater to various models
- Each part weighs ~1kg

VALUE PROPOSITION



- EMI shielding
- Lightweight vs. metal
- Easy processing
- Colorable



Lubricated Solutions for Insulin Pen Precision Parts

LNPT™ LUBRICOMP™ Compounds



SOLUTION SUMMARY

- Formulation lock, as required, by many healthcare applications
- Low friction for smooth and quiet use and dimensional stability for accurate dosing
- Good chemical and impact resistance
- Each part weighs <100 grams

VALUE PROPOSITION



- High stiffness
- Low wear and friction
- Chemical resistance
- Healthcare grade with formulation lock



Lubricated Solution for Insulin Pen Rotary Lock

LNP™ LUBRICOMP™ Compounds



SOLUTION SUMMARY

- Formulation lock to meet relevant healthcare standards
- Low wear and friction, enabling smooth operation
- High-strength material needed for a rotary lock to prevent breakages
- Each part weighs <100 grams

VALUE PROPOSITION

- Chemical resistance
- Low wear and friction
- Good mechanical properties
- Healthcare grade with formulation lock



Healthcare Sterilization Tray

NORYL™ Resin



SOLUTION SUMMARY

- Durability after repeated autoclave sterilization due to heat resistance
- Can be easily processed to fill intricate tray parts
- Formulation lock to meet relevant healthcare standards
- Each part weighs ~1 kg

VALUE PROPOSITION

- Chemical resistance
- Heat resistance
- Easy processing
- Healthcare



Flame Resistant Solution for Medical Hearing Aid Parts

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Good impact strength that has passed drop tests, with resistance to cleaning chemicals
- Flame resistance due to chargeable batteries
- Formulation lock to meet relevant healthcare standards
- Each part weighs <100 grams

VALUE PROPOSITION



- Chemical resistance
- Impact resistance
- ECO flame retardant
- Easy processing



Structural Solution for Surgical Stapler Parts

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- High stiffness for a wide variety of structural applications
- Locked formulation per healthcare requirements
- Good dimensional stability, easy flow for molding of long parts and sterilizable
- Each part weighs <100 grams

VALUE PROPOSITION



- High stiffness
- Dimensional stability
- Healthcare grade with formulation lock
- Easy processing



Non-PFAS Solution for Healthcare Continuous Glucose Monitor

LNP™ LUBRILOY™ Compounds



SOLUTION SUMMARY

- Offers non-PFAS (group of restricted chemicals) solutions
- Provides dimensional stability and reduced wear and friction for moving parts
- Formulation is locked per certain healthcare requirements
- Each part weighs <100 grams

VALUE PROPOSITION



- Wear resistance
- Dimensional stability
- Healthcare
- Easy processing



Chemical Resistance Solution for Medical Equipment Monitor Housing

LNP™ ELCRES™ Resin



SOLUTION SUMMARY

- Offers improved chemical resistance to the more aggressive disinfectants and testing reagents used today in healthcare settings
- Offers flame resistance, good impact strength, colorable and good dimensional stability
- Each part weighs ~ 1kg

VALUE PROPOSITION



- Excellent chemical resistance
- Impact resistance
- Dimensional stability
- Flame retardant



Hospital Bed Frame

SABIC® HDPE BM1052 Polyethylene & SABIC® MG94 Resin



SOLUTION SUMMARY

- Good material strength and rigidity
- Excellent chemical resistance
- Can contribute to preventing hospital-acquired infections
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Regulatory Compliance
- Chemical Resistance
- Impact Strength



Healthcare Blow-fill Seal Interavenous Bottles

SABIC® PCG06 Low Density Polyethylene (LDPE)



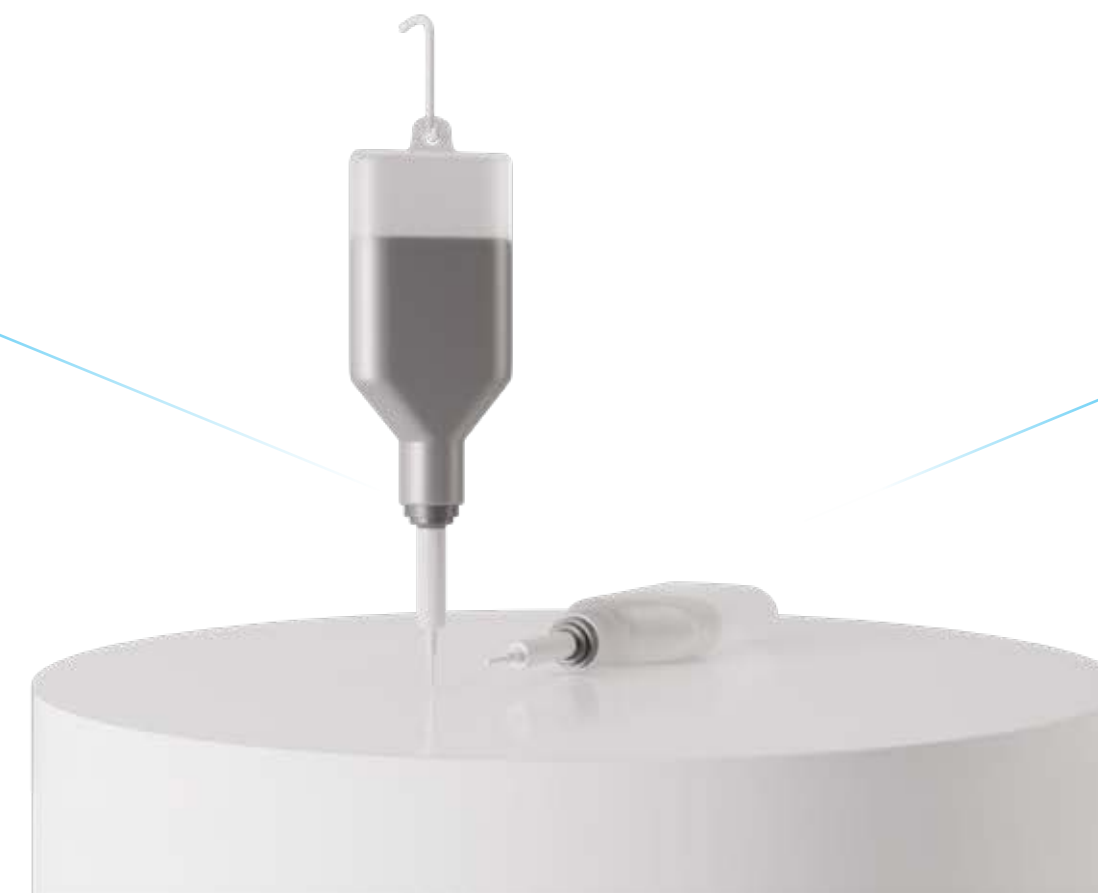
SOLUTION SUMMARY

- Enables patient care applications, such as interavenous bottles
- Can withstand high temperatures
- Enables fast sterilization and productivity
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Regulatory Compliance
- Ease of processing
- High purity
- Sustainability



Transparent Plastic Syringe for Medical application

SABIC® PCGR40 Polypropylene (PP)



SOLUTION SUMMARY

- Safe for patients' health
- Compliant with stringent industry standards
- Offers high clarity for dosing accuracy and detection of medicine contaminants
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Regulatory Compliance
- Transparency
- High purity
- Chemical Resistance



Healthcare Facemask

SABIC® PP 511A & 519A Polymers



SOLUTION SUMMARY

- Designed in accordance with N95 facial mask standards
- Exhibits well balanced physical properties
- Approved by major Saudi made brand owners
- Supports localization drive and Saudi Vision 2030
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Softness
- Regulatory Compliance
- Recyclability
- Easy Processing



Insulin Pen

SABIC® PP 58MNK10 Copolymer



SOLUTION SUMMARY

- Used in the production of insulin pens
- Has an excellent balance of stiffness and impact
- SABIC material share of this application is 70%

VALUE PROPOSITION



- Regulatory Compliance
- Recyclability/ Sustainability
- Good processability and cycle time (nucleating agent)
- Quality agreement healthcare applications.



Transperent Blood Test Kit

SABIC® PCG PET60 Polymer



SOLUTION SUMMARY

- Complies with healthcare standard for blood test kit
- Meets the relevant physiochemical tests
- Tested and utilized by SABIC's customers to produce test kits
- SABIC material share of this application is 95%

VALUE PROPOSITION



- Regulatory Compliance
- Transparency
- Chemical Resistance
- Impact Strength



Medical Supplies: Petri Dish, Test Tube Holder & Specimen Jars

SABIC® PS 125 Polystyrene



SOLUTION SUMMARY

- Suitable grade for medical supplies, such as petri-dish, test tube holders and specimen jars applications
- Medium flow and high clarity
- Available locally in Saudi Arabia
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Transparency
- Regulatory Compliance
- Availability
- Lower lead time
- Excellent processability



Metal Replacement for Medical Robots

ULTEM™ Resins



SOLUTION SUMMARY

- High-stiffness material for metal replacement
- High-heat resistant, resistant to hospital chemicals, dimensional stability and good flow for complex designs
- Each part weighs ~ 500 grams

VALUE PROPOSITION



- Dimensional stability
- High stiffness
- Heat resistance
- Chemically resistance



Medical Ventilator Humidity Tanks

ULTEM™ Resins



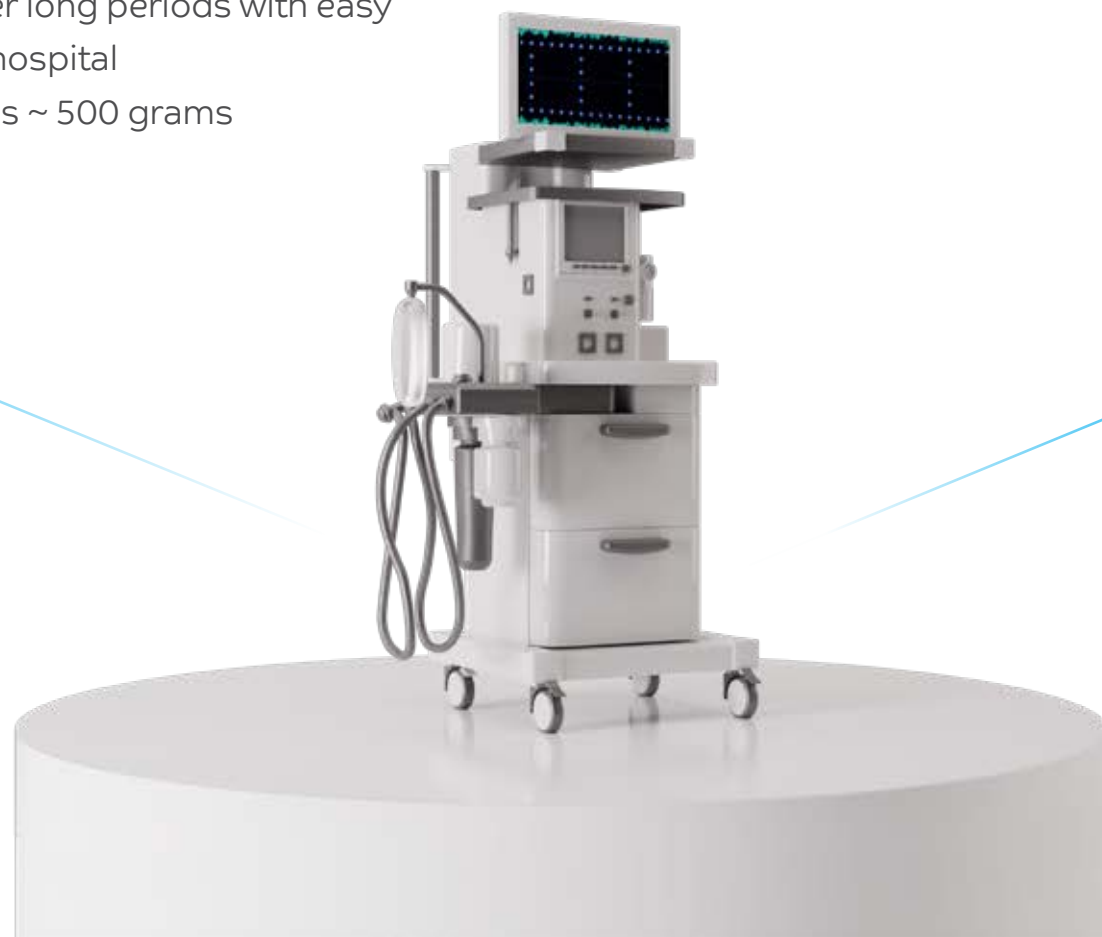
SOLUTION SUMMARY

- Key requirements include high heat and hydrolysis resistance, allowing repeated autoclaving at elevated temperatures, chemically resistant to hospital chemicals and durable over long periods with easy mobility within hospital
- Each part weighs ~ 500 grams

VALUE PROPOSITION



- Heat resistance
- Chemical resistance
- Healthcare grade / biocompatibility
- High strength



Ultra Violet-C Light Filtration Module Housing

ULTEM™ Resins



SOLUTION SUMMARY

- Resistant to UV-C light, which is used as a disinfectant
- Requires good color and transparency retention
- Heat resistance for prolonged part life
- Each part weighs ~100 grams

VALUE PROPOSITION



- Heat resistance
- Good aesthetics
- UV resistance
- Easy processing



Medical Pipettes

ULTEM™ Resins



SOLUTION SUMMARY

- Able to mold long parts, maintaining good dimensional stability for part accuracy
- Tough, resistant to laboratory chemicals
- Material needs to be food-contact compliant with formulation locked
- Each part weighs ~ 300 grams

VALUE PROPOSITION



- Dimension stability
- Chemical resistance
- Food contact compliant
- High Strength/Stiffness



Skin Stapler

ULTEM™ Resins



SOLUTION SUMMARY

- High stiffness required
- Can withstand standard hospital-sterilization process, allowing property retention in prolonged use
- Custom-coloring capability
- Each part weighs <100 grams

VALUE PROPOSITION



- Good mechanical strengths
- Sterilization capability
- Good aesthetics and colorable
- Dimensional stability



INDUSTRIAL



SABIC SOLUTIONS FOR INDUSTRIAL SEGMENT

Industrial segment covers a very broad range of applications, from Walkie-Talkies to Personal Protection Equipment, from Wind Turbines to Additive Manufacturing (3D Printing), from Test Sockets to Robotics and the list goes on.

Most of these applications have been around for many years and with each evolution of a newer generation model or design and with enhanced functionalities, the properties of materials that go into the making of such applications become increasingly more technically demanding. SABIC is keeping pace with such demand with our Specialty Thermoplastics and we have been a preferred supplier to many OEMS of these applications, be it for our specially lubricated compounds (LNP™ LUBRICOMP™), material with thermal conductive

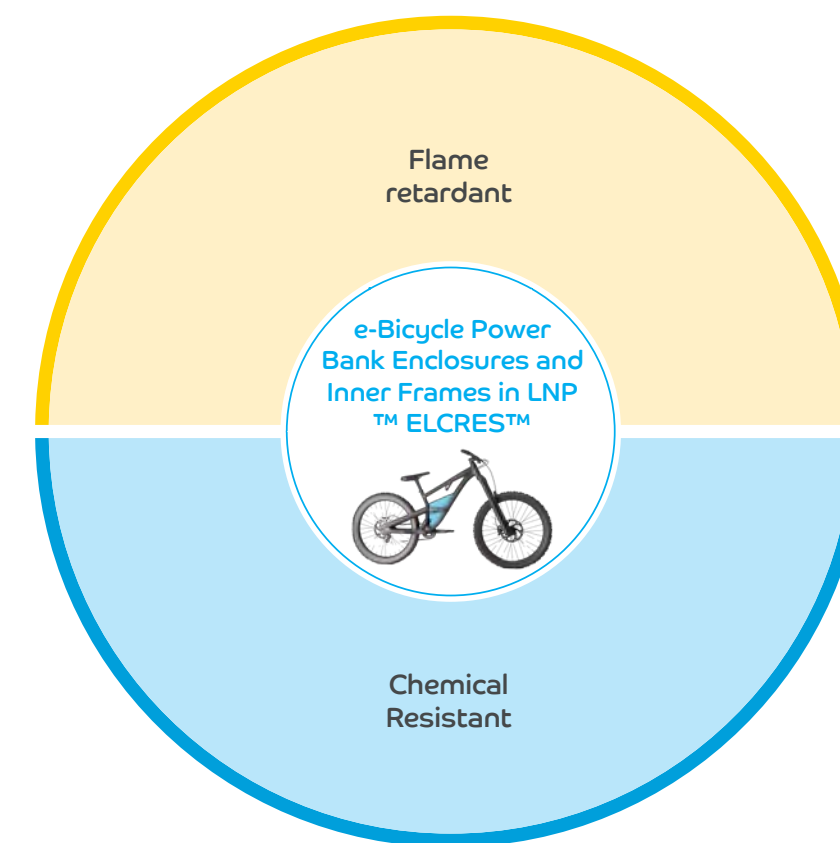
properties (LNP™ KONDUIT™), super strong material for metal replacements (LNP™ ELCREST™), dimensionally stable (LNP™ THERMOCOMP™) or high-heat resistant material (ULTEM™).

We also offer sustainability version of these materials (LNP™ ELCRIN™) to help our environmentally friendly customers reduce their carbon footprints and to achieve their sustainability goals.

Our Specialties offerings also include various Catalysts for the chemical industry.

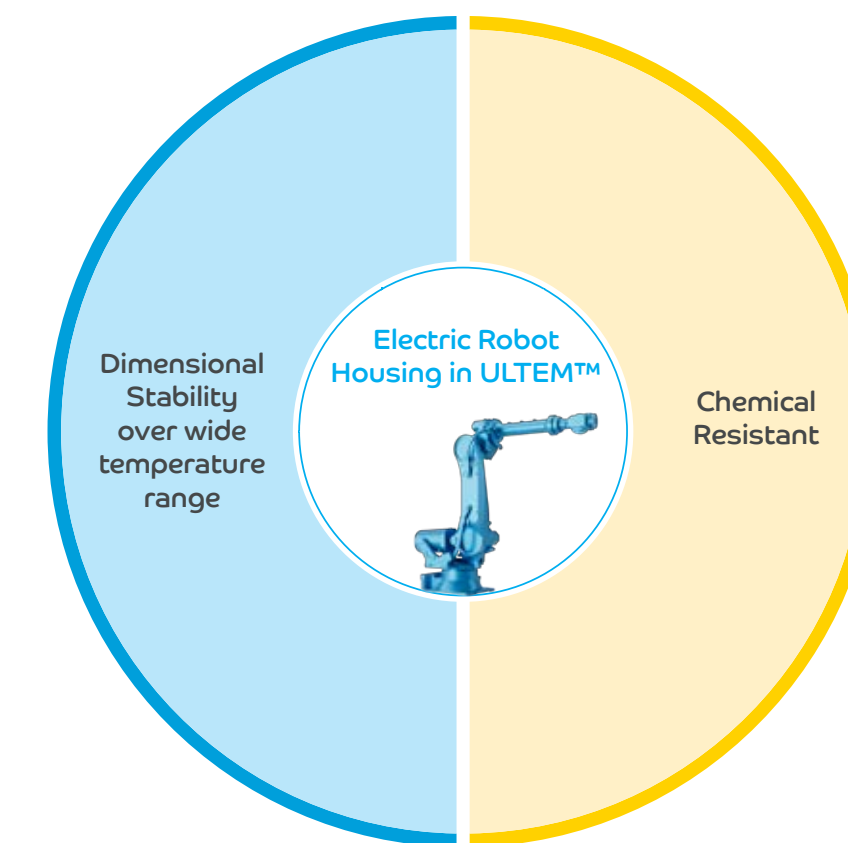
E-BICYCLE POWER BANK ENCLOSURES AND INNER FRAMES IN LNP™ ELCREST™

- Flame retardant
- Chemical Resistant



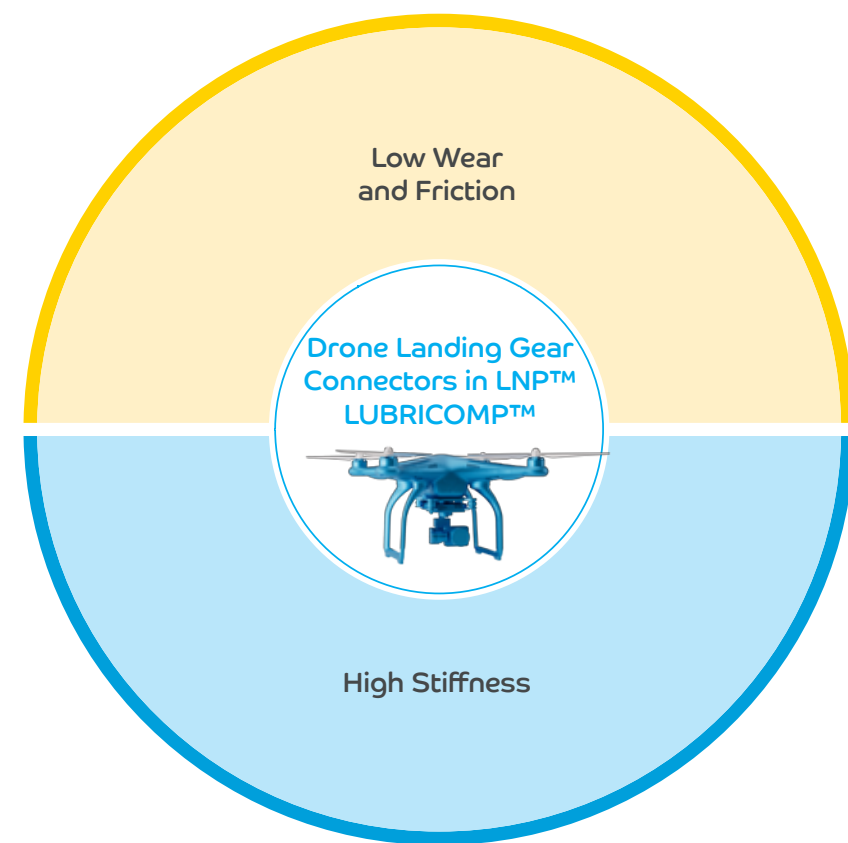
ELECTRIC ROBOT HOUSING IN ULTEM™

- Dimensional Stability over wide temperature range
- Chemical Resistant



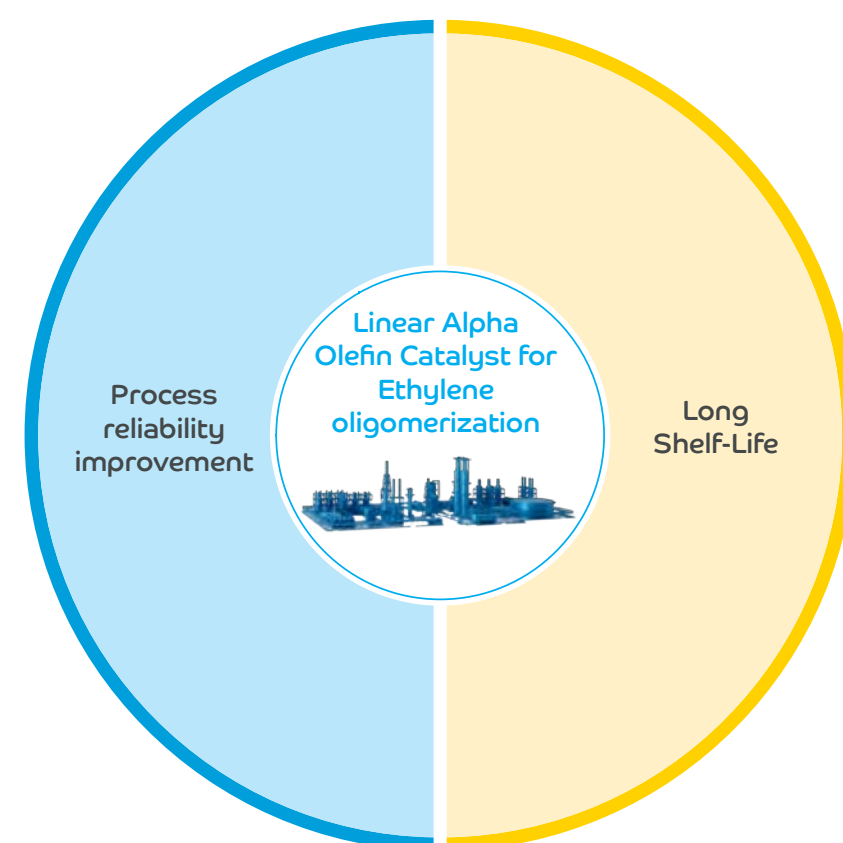
DRONE LANDING GEAR CONNECTORS IN LNP™ LUBRICOMP™

- Low Wear and Friction
- High Stiffness



LINEAR ALPHA OLEFIN CATALYST FOR ETHYLENE OLIGOMERIZATION

- Process reliability improvement
- Long Shelf-Life



Large Format Additive Manufacturing (LFAM)

LNP™ THERMOCOMP™ Compounds

SOLUTION SUMMARY

- These 3D printing materials are available in pellets instead of filaments
- Available in different base resins combined with different fillers to provide stiffness, dimensional stability
- Easy to print into large parts such as car bodies, aerospace parts, etc
- Each part weighs >100kg



VALUE PROPOSITION

- 3D printable - pellet fed
- Easy processability
- High stiffness
- Low warpage

Conveyor Belt Application

SABIC BR4610 Polybutadine Rubber



SOLUTION SUMMARY

- Successfully qualified for conveyor belt application in mining and construction industry
- Offers excellent abrasion resistance, good cut & chip resistance, and higher durability for conveyor belts

VALUE PROPOSITION

- Abrasion Resistance
- Better aging
- Surface Finish
- Local availability



Rubber Seals

SABIC® EPDM 245 Rubber



SOLUTION SUMMARY

- Excellent compression set properties
- Suitable for different molding applications, such as bushes, grommets, seals & gaskets, O-Ring etc.
- Can be used as a plasticizer to improve the processability of the rubber compounds

VALUE PROPOSITION

- Excellent weather and heat resistance
- High mechanical properties
- Excellent Compression Set properties
- Good processability



Unsaturated Polyester Resin for Pipes

SABIC® PGI/PGT/DPG Propylene Glycols



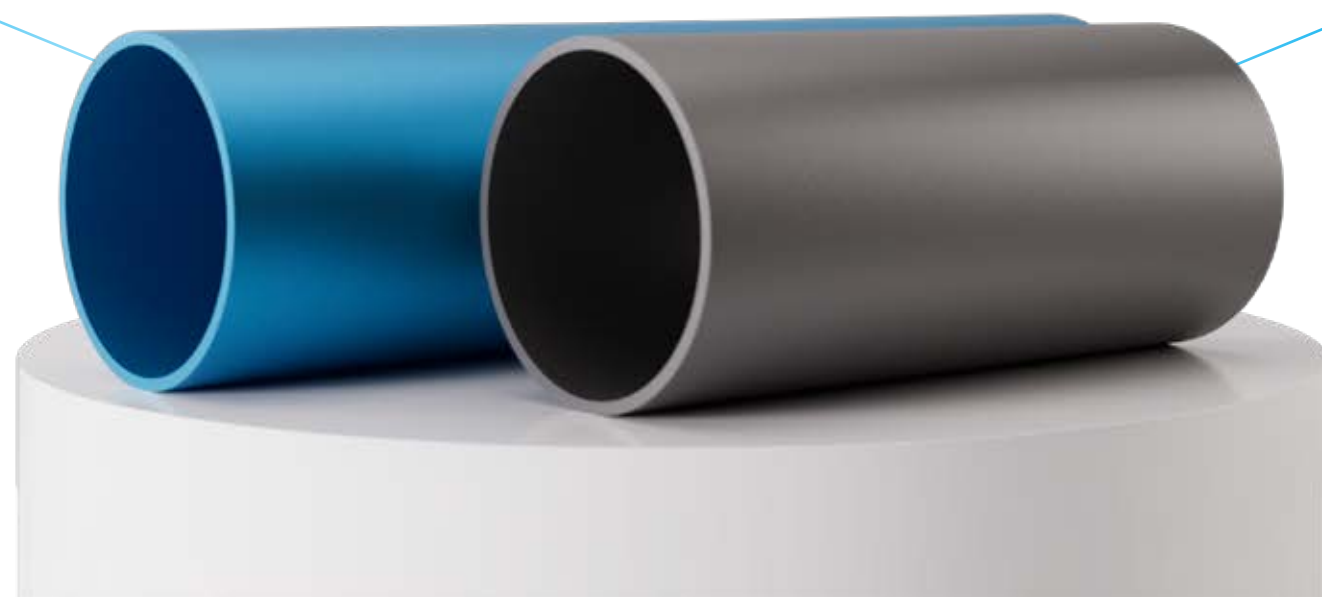
SOLUTION SUMMARY

- Used in the production of unsaturated polyester resin
- Works as a deicing agent in wall paint industries
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Mechanical strength
- Good solvent resistance
- High Aesthetic
- Durability



Oil Transfer Hose

SABIC® SPVC 80S Polyvinyl Chloride



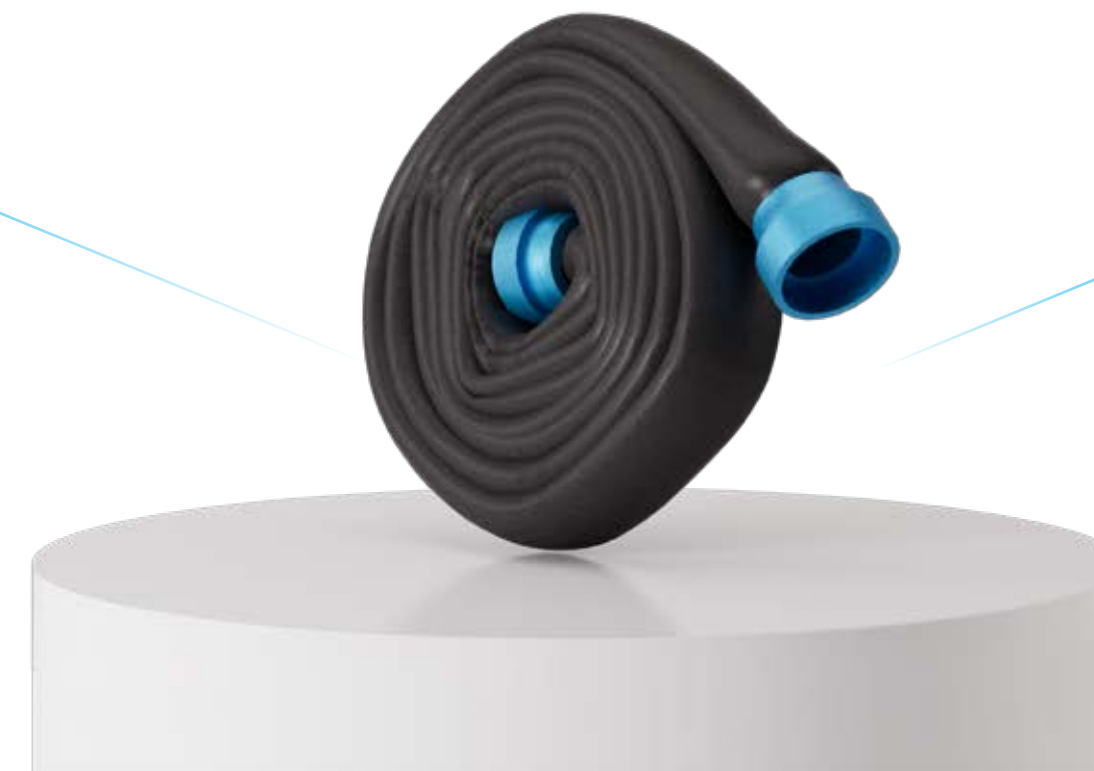
SOLUTION SUMMARY

- Commonly used in the production of high-pressure pipes for the oil and gas industry, medical tubing and catheters, high-performance electrical insulation materials, and specialized laboratory equipment
- Strong, durable, and resistant material
- Can withstand extreme pressure, high temperatures, and harsh environments
- SABIC material share of this application is 60%

VALUE PROPOSITION



- Flexibility
- Excellent Installation
- Mechanical strength
- Reduced cost



Unmanned Aerial Vehicle (UAV) Propeller Blades

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Very tough material to withstand high working load and air friction
- Wear resistant to stainless steel shaft and resistant to pesticides
- Provides geometry and property consistency on the blades for flight stability
- Each part weighs ~300 grams

VALUE PROPOSITION



- High stiffness
- Chemical resistance
- Easy processing
- Good weatherability



Animal GPS Tracker

LNPT™ THERMOCOMP™ Compounds



SOLUTION SUMMARY

- Part-lasering capability with stable plating performance
- Laser weldable with other materials
- Good resistance to farm chemicals
- Each part weighs <100 grams

VALUE PROPOSITION



- High stiffness
- Can be plated
- Chemical resistance
- Good aesthetics



Electric Robot Arm Housing

ULTEM™ Resins



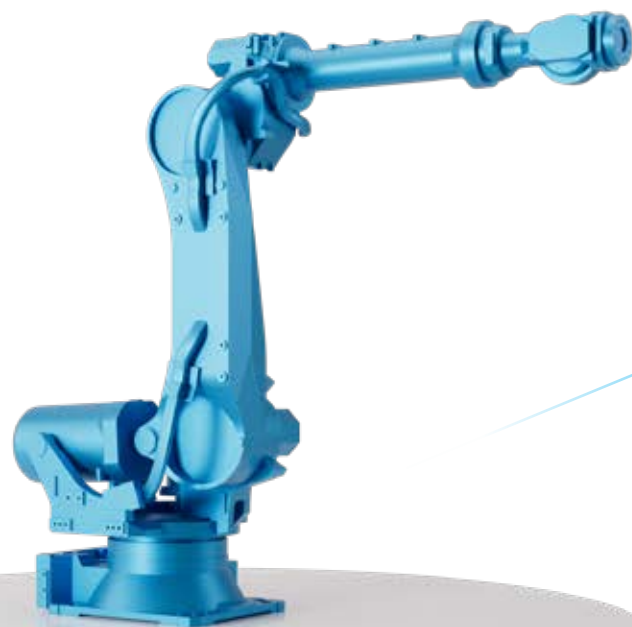
SOLUTION SUMMARY

- High stiffness with good resistance to industrial chemicals
- Good electrical resistance properties while maintaining dimensional stability over a wide temperature range is also key
- Each part weighs ~500 grams

VALUE PROPOSITION



- High stiffness
- Good chemical and UV resistance
- Dimensional stability
- High voltage resistance



Thermal Conductive Solution for Signal Tester Housing

LNPT™ KONDUIT™ Resins



SOLUTION SUMMARY

- Thermal conductivity to protect inner PCB and electronic components to avoid data distortion
- Good impact needed for hand-held devices with good aesthetics
- Heat resistant over broad operating temperatures
- Each part weighs ~100 grams

VALUE PROPOSITION



- Thermally conductive
- Light weight
- Impact resistance
- Heat resistance



Commercial Food Service Trays

ULTEM™ Resins



SOLUTION SUMMARY

- Meets certain food-contact approvals
- For the trays to be re-usable, it has to withstand convection oven temperatures, dishwasher and detergent resistance, with good stiffness and impact resistance
- Each part weighs ~200 grams

VALUE PROPOSITION



- Heat resistance
- Food contact approved
- Good mechanical properties
- Chemical resistance



Ethylene Oxide Catalyst for Chemical Industry

Ethylene Oxide Catalyst



SOLUTION SUMMARY

- Flexibility of products and product distribution (EO, EO & EG or EG only)
- High product quality and high on-stream factor
- Percentage usage of SABIC material is <10%

VALUE PROPOSITION



- High Activity Catalyst that tolerates high inlet CO₂ concentration
- High Selectivity Catalyst used in modern low CO₂ technology
- High Selectivity Catalyst for High CO₂ offering to medium CO₂ market segment



Homogeneous Catalyst (LAO) for Ethylene Oligomerization

Linear Alpha Olefin Catalyst for Chemical Industry



SOLUTION SUMMARY

- Designed to produce full-range LAO products
- Product distribution can be shifted to meet market volume demand
- Lower polymer formation, which improves process reliability
- Percentage usage of SABIC material is <10%

VALUE PROPOSITION



- Low variable cost
- Long shelf-life (robust supply chain)
- Readily available raw materials
- Above-benchmark performance for LAO production



Homogeneous Catalyst for Ethylene Dimerization

Butene-1 Catalyst for Chemical Industry



SOLUTION SUMMARY

- Improved Butene-1 process performance and reliability
- Percentage usage of SABIC material is >60%

VALUE PROPOSITION



- Low variable cost
- Strong maturity edge (high competitiveness)



Ziegler-Natta Co-catalyst used in the Polyolefins Industry

Tri-Ethyl Aluminum (TEAL) Co-catalyst



SOLUTION SUMMARY

- Better yield in production of PE and PP
- Produces better efficiency in overall feedstock consumption
- Results in less energy intensity in the process of manufacturing PE and PP
- Percentage usage of SABIC material is 90%

VALUE PROPOSITION



- High active co catalyst applied in the PE/PP manufacturing process



Enhanced Foam for Core of Wind Turbine Blades

LNPT™ COLORCOMP™ Compounds



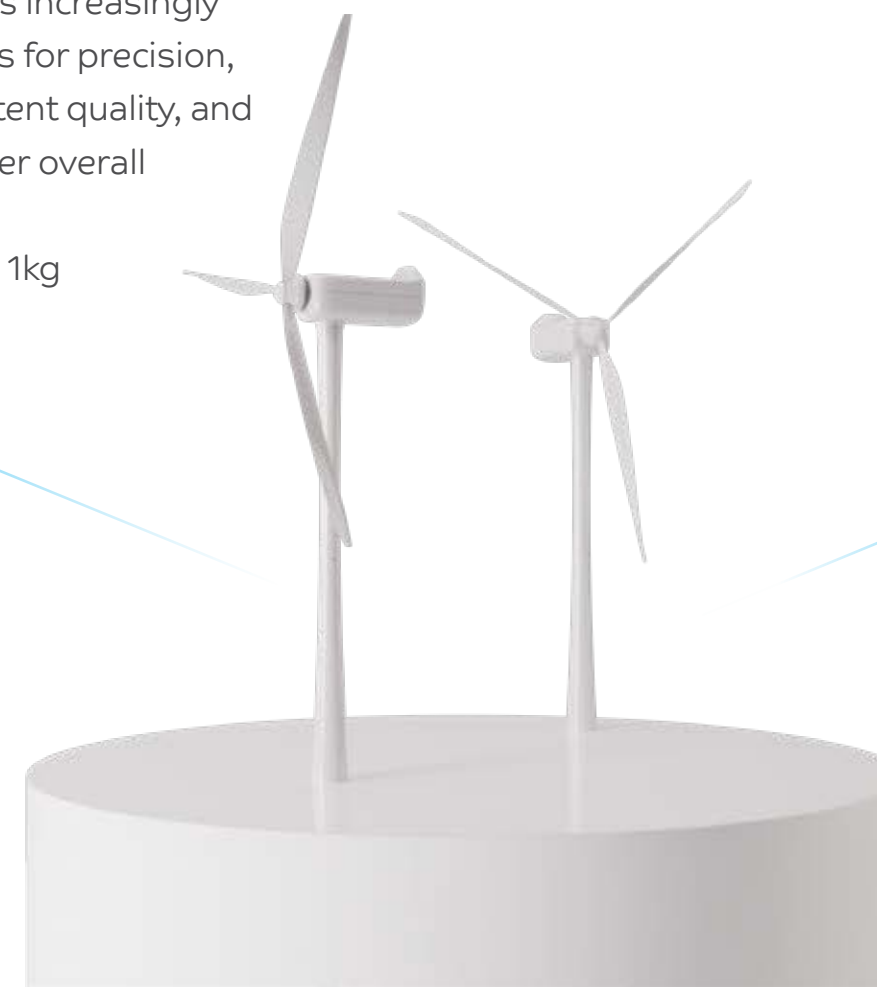
SOLUTION SUMMARY

- Uses nano technology to reduce weight and improve mechanical properties, enabling the final part to be lighter and more efficient in use
- Can help designers create new, longer blades that address increasingly stringent standards for precision, weight and consistent quality, and contribute to greater overall energy generation
- Each part weighs ~ 1kg

VALUE PROPOSITION



- Lightweight
- Good stiffness
- Impact resistance
- Easy processing



E-Bicycle Power Bank Enclosures and Inner Frames

LNP™ ELCRES™ resins



SOLUTION SUMMARY

- Meets certain e-bike regulations around batteries
- Flame retardant material which has passed stringent drop tests, and mechanical strength maintained over broad temperature range
- Each part weighs ~100 grams

VALUE PROPOSITION



- Chemical resistance
- Impact resistance
- ECO flame retardant
- Easy processing



PACKAGING



SABIC SOLUTIONS FOR ADVANCED PACKAGING

In a world where packaging is an essential part of everyday life, SABIC stands at the forefront of innovation and sustainability in the packaging industry. With the growing focus on environmental impact of packaging, SABIC is committed to developing new materials and processing solutions to help the packaging industry achieve its sustainability goals and to create functional, appealing products to protect and preserve food and goods.

Through close collaboration with customers and leading players across the packaging value chain, SABIC's global Advanced Packaging team has been able to address key industry drivers such as cost savings, light weighting, recyclability, and the use of recycled materials. One of SABIC's primary focuses has been on creating circular and renewable solutions and reducing the carbon footprint through our and TRUCIRCLE™ portfolio and services, all without compromising product performance and safety.

SABIC offers one of the broadest advanced portfolios of materials (Polypropylene (PP), Polyethylene (PE), Polystyrene (PS), Polycarbonate (PC), Polyethylene Terephthalate (PET), Polyvinylchloride (PVC), Polyurethane (PU), Acrylic (PMMA), Acrylonitrile Butadiene Styrene (ABS)), including compounds. In addition to materials, SABIC provides regulatory support to assist customers in achieving compliance with industry standards and development of new technologies and advanced materials from its six state-of-the-art Packaging Technology and Innovation centers located around the world.

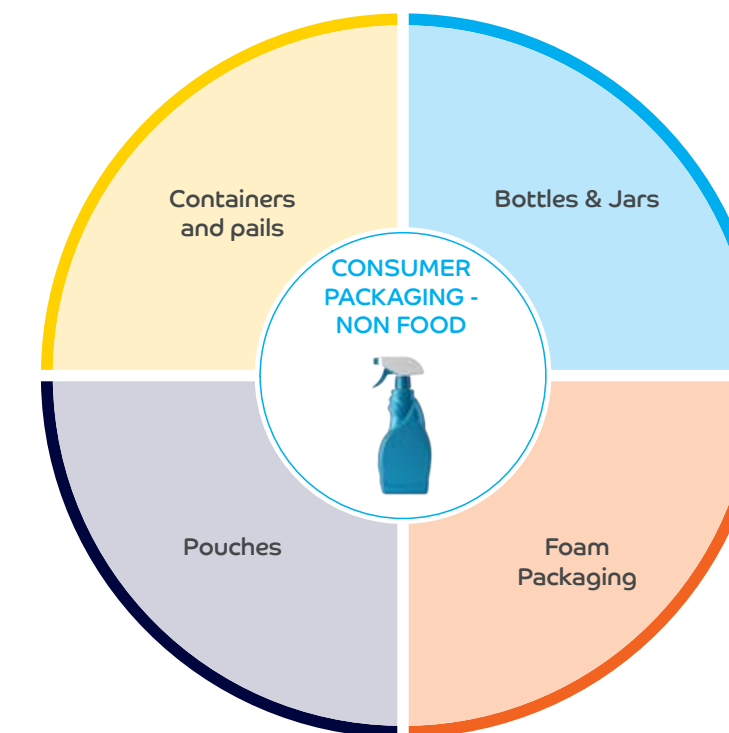
FOOD & BEVERAGE PACKAGING

The use of durable yet lightweight, mono-material solutions for packaging designed for recycling. Beyond sustainability, advanced new packaging solutions also offer aesthetic appeal and in-use convenience.



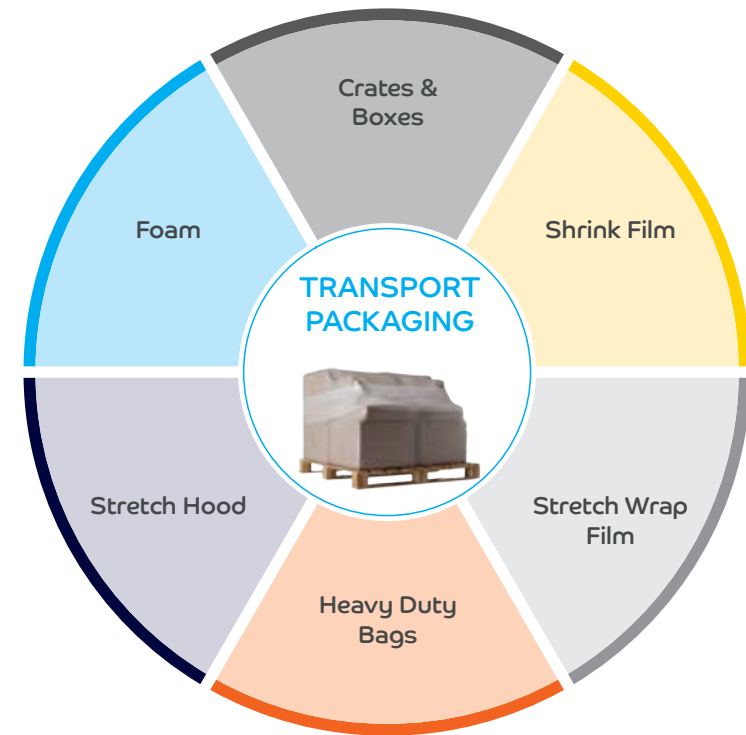
CONSUMER PACKAGING - NON FOOD

SABIC engages with value chain partners in the packaging industry to meet the requirements for aesthetics appeal, durability, product safety, light-weight for transportation.



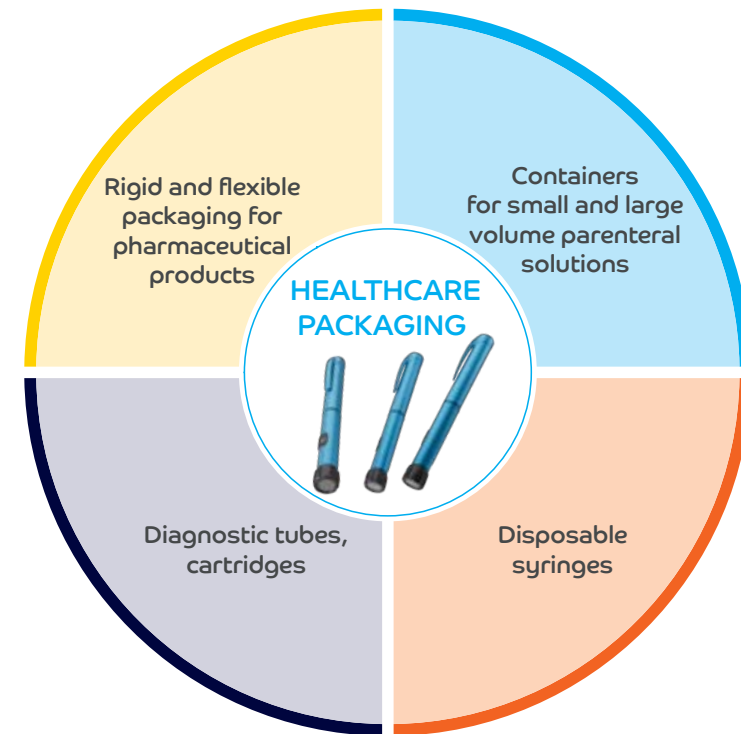
TRANSPORT PACKAGING

Materials used in transport packaging must provide enhanced protection, load stability as well as offer superior processing characteristics and mechanical properties.



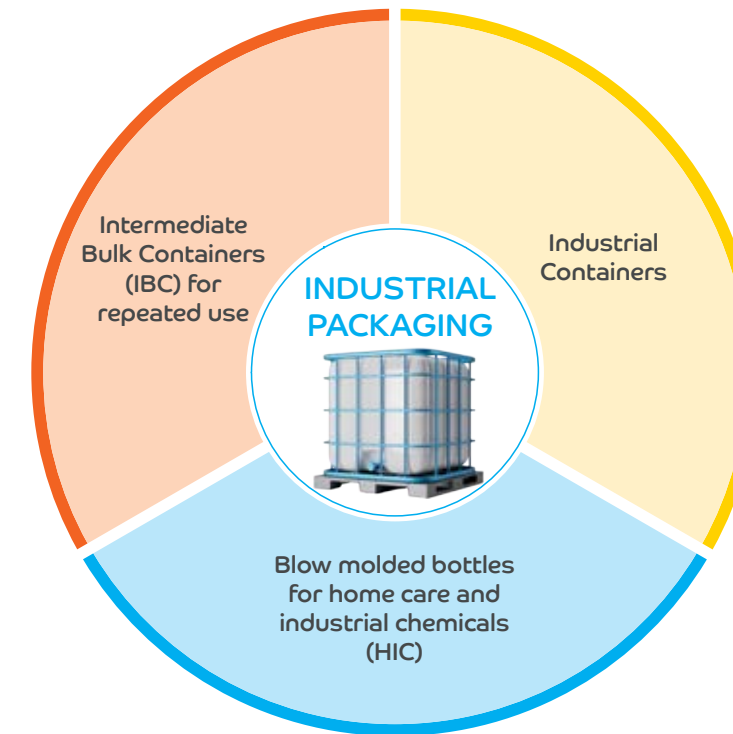
HEALTHCARE PACKAGING

SABIC's dedicated healthcare packaging portfolio is especially designed to meet the stringent requirements of the pharmaceutical and medical industry.



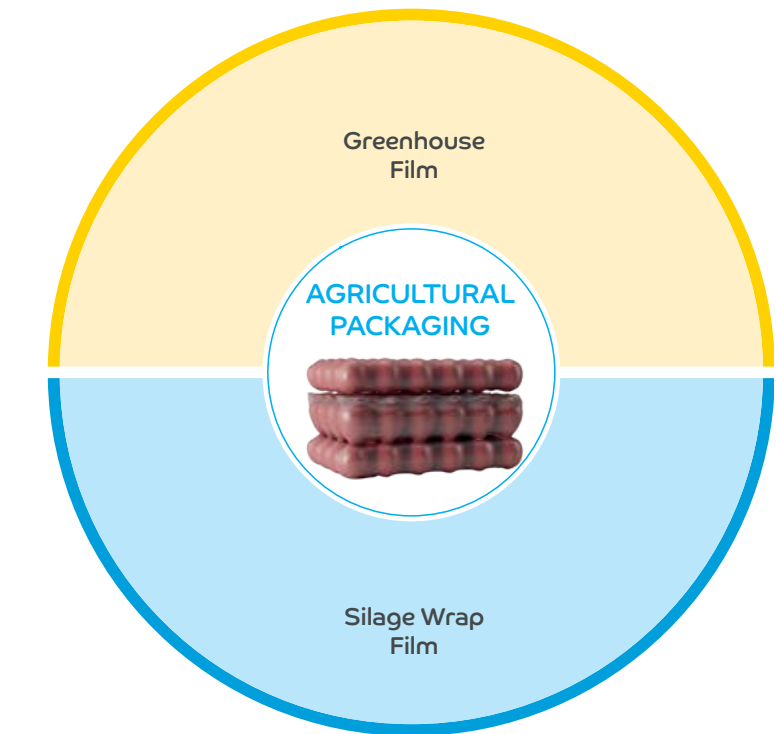
INDUSTRIAL PACKAGING

SABIC has a broad portfolio of materials for industrial packaging applications that includes jerry cans, tight & open head drums as well as intermediate bulk containers for non-food packaging ranging from 5 L up to 1,000 L.



AGRICULTURAL PACKAGING

SABIC has a broad material portfolio for agricultural packaging generally used for maintaining the nutrition of forage plants such as grass, corn, and vegetables until it is needed.



Carbonated Soft Drink Caps

SABIC® HDPE CC027C & CC027SL Polyethylene



SOLUTION SUMMARY

- Excellent toughness and a good flow ability
- Allows caps manufacturers to design lightweight closures
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Weight reduction
- Mechanical performance
- Compliance with Food safety and Cost reduction



Water Bottle Caps

SABIC® HDPE CC860 Polymer



SOLUTION SUMMARY

- Offers an excellent performance for still water caps and closure
- Enables manufacturers to make light weight and short neck caps
- SABIC material share of this application is 100%

VALUE PROPOSITION



- For injection and compression molding
- Excellent environmental stress cracking
- Meet organoleptic properties requirements and Light weight



Carbonated Soft Drink Closure

SABIC® PP 46MNK45 Polymer



SOLUTION SUMMARY

- Designed for carbonated soft drink caps & other beverage/non beverage closure applications
- Enables caps manufacturer to produce high quality and light weight caps and closure
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Phthalate free grade
- Enhanced impact-stiffness balance and Nucleated for faster crystallization
- increased productivity



Foamed Food Tray for Microwave

NORYL™ Resins



SOLUTION SUMMARY

- Wide temperature performance – from freezing to microwave heating
- Good chemical resistance to food, oil and detergents
- Can be foamed to reduce weight and cost
- Each part weighs <100 grams

VALUE PROPOSITION



- Chemical resistance
- Heat resistance
- Low temperature impact resistance
- Improved strength



Ice Cream Tubs

SABIC® PP QRYSTAL QR6771K Random Copolymer



SOLUTION SUMMARY

- Good low temperature impact and very high stiffness
- Suitable for ice cream packaging tubs
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good low temperature impact
- Very high stiffness



Phthalate Free Food Packaging

SABIC® PP FLOWPACT FPC70T Impact Polymer



SOLUTION SUMMARY

- Strong mechanical properties, low warpage, Phthalate free
- Suitable for food packaging
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Strong mechanical properties
- Low warpage
- Phthalate free



Transparent Food Packaging

SABIC® PP QRYSTAL QR6771K Random Copolymer



SOLUTION SUMMARY

- Has a high melt flow rate for very fast molding cycle and thinner wall design
- Peroxide free production to ensure excellent organoleptic for food contact
- Excellent clarity & good stiffness
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High MFR for thinner wall design
- Excellent organoleptic
- Good stiffness
- Very high clarity



Recyclable Food Container

SABIC® PP 5770NF Polymer



SOLUTION SUMMARY

- Has a high melt flow rate for thinner wall design
- Excellent organoleptic, high stiffness, and good clarity
- Suitable for disposable food containers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High melt flow rate for thinner wall design
- Excellent organoleptic
- High stiffness
- Good clarity



Transparent Recyclable Cup

SABIC® PP RCP01XF (677KF) Polymer



SOLUTION SUMMARY

- Has a high melt flow rate for thinner wall design
- Excellent organoleptic, good stiffness, and very high clarity
- Suitable for disposable cups
- SABIC material share of this application is 100%

VALUE PROPOSITION

- High Melt flow rate for thinner wall design
- Excellent organoleptic
- Good stiffness
- Very high clarity



Transparent Drinking Water Bottles

SABIC® PET BC211 Polyethylene Terephthalate



SOLUTION SUMMARY

- Suitable for packaging of drinking water bottles
- Has superior transparency, good mechanical properties
- Complies with USFDA, EU regulations and standards for food contact applications
- SABIC material share of this application is 100%

VALUE PROPOSITION

- Transparency
- Compliance with Food safety
- Availability
- Lower lead time
- Excellent processability



Bottles for Carbonated Soft Drinks (CSD), Beverage & Oil

SABIC® PET BC212 Polyethylene Terephthalate



SOLUTION SUMMARY

- Most suitable for packaging of carbonated soft drink bottles, other beverages, cooking oils
- Provides superior transparency and good mechanical and barrier properties
- Complies with USFDA, EU regulations and standards for food contact applications
- SABIC material share of this application is 100%



VALUE PROPOSITION



- Transparency
- Compliance with Food safety
- Superior mechanical properties
- Availability, Lower lead time

Bottles and Thermoformed Rigid Packaging

SABIC® PET BC210 Polyethylene Terephthalate



SOLUTION SUMMARY

- Suitable for food and non-food packaging bottles and thermoformed articles
- Complies with USFDA, EU regulations and standards for food contact applications
- SABIC material share of this application is 100%



VALUE PROPOSITION



- Transparency
- Availability, Lower lead time
- Compliance with Food safety
- Excellent processability

Ice Cream Tubs

Certified Circular SABIC® PP PHC60 Copolymer



SOLUTION SUMMARY

- Enables lightweight packaging that is organoleptic, compliant with food safety standards
- Delivers high impact resistance at -20°C as required from ice cream containers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Certified circular solution
- Low temperature performance
- High purity
- High impact resistance



Cosmetics Packaging

Certified Renewable SABIC® PP 578L Homopolymer & SABIC® PP QRYSTAL QR674K Random Copolymer



SOLUTION SUMMARY

- Reduces the carbon footprint of cosmetic packaging
- Preserves product quality and purity
- SABIC material share of this application is 100%
- Ringier Technology Innovation Awards Personal Care Winner 2023

VALUE PROPOSITION



- Certified renewable solution
- Easy processability
- Regulatory compliance
- High purity



Healthy Snack Bar Wrapper

Certified Circular SABIC® PP 525PC Polymer



SOLUTION SUMMARY

- Protective wrapper made with 30% recycled content
- Teaming up with full value chain to demonstrate a closed loop approach
- SABIC material share of this application is 70%

VALUE PROPOSITION



- Closed loop recycling
- Certified circular solution
- Compliance with food safety
- Processing and reliability



Frozen Food Packaging

Certified Circular SABIC® PP QRYSTAL QR681KCO Random Polymer



SOLUTION SUMMARY

- Used in highly sustainable new packaging pouch for frozen prawns

VALUE PROPOSITION



- Reduce cost
- Down gauging film
- Sustainable circular or bio renewable possibilities
- Outperform competition with aesthetics



Stretch Wrap Film

SABIC® PP 621P Polymer



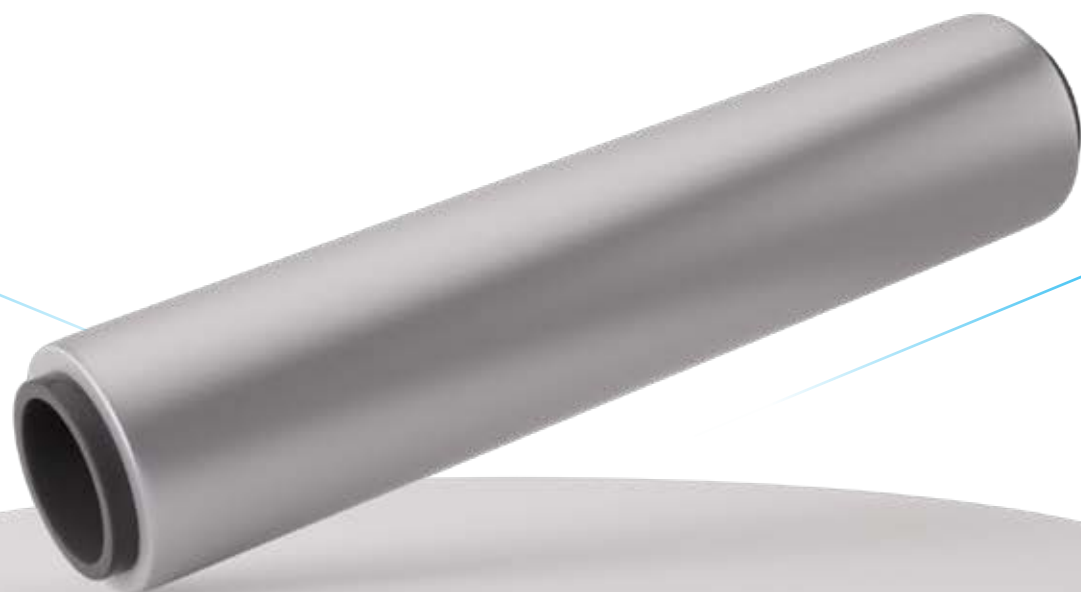
SOLUTION SUMMARY

- Has higher stretch ability, stiffness, holding force, higher tear resistance
- Suitable for wrap film
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Improved tear resistance and elongation
- Higher stiffness
- Down gauging film



Retort Packaging - Pouches

SABIC® PP BCT18F Copolymer



SOLUTION SUMMARY

- Offers good process ability, and high thermal stability, excellent organoleptics
- Food contact approved
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Superior mechanical properties (low gels)
- Sustainable circular or bio renewable possibilities



Flexible Food Packaging

SABIC® PP 5212P Polymer



SOLUTION SUMMARY

- Has high crystallinity, high stiffness for label application and lamination film
- Suitable for flexible food packaging
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Superior mechanical properties
- Reduce cost
- Down gauging film
- Excellent temperature resistance
- Better WVTR and OTR



Storage Box for Chemical Waste

SABIC® PP PHC27 Copolymer



SOLUTION SUMMARY

- Has high (cold) impact strength to -/-18C (or lower)
- Good drop test results
- Good chemical resistance
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Superior mechanical performance
- Good chemical resistance
- Easy processing and aesthetics



Chilled Food Container

SABIC® PP FLOWPACT FPC75 Impact Copolymer



SOLUTION SUMMARY

- Has a high melt flow rate for very fast molding cycle and thinner wall design
- Excellent organoleptic and high toughness at low temperature
- Suitable for food containers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High MFR for thinner wall design
- Excellent organoleptic- Good stiffness / toughness balance
- High toughness at low temperature



Clear, Thermoformable Food and Non-food Packaging

SABIC®PP 5271K Polymer



SOLUTION SUMMARY

- Provides very high stiffness, very good clarity, very high heat temperature resistance
- Good processability and fast production cycle
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Thermoformable
- Very high stiffness
- Very good clarity
- PHF free



Transparent Durable Containers

SABIC® PP QRYSTAL QR6771K Polymer



SOLUTION SUMMARY

- High melt flow transparent polypropylene
- Provides excellent clarity & surface gloss
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Excellent clarity & gloss
- Excellent organoleptics
- High shrinkage isotropy
- Reduced warpage
- High top load strength for random copolymers
- Phthalate free
- Reactor grade



Phthalate Free Thin-wall Food Containers

SABIC® PP FLOWPACT FPC75 Impact Copolymer



SOLUTION SUMMARY

- High flow impact polypropylene
- Delivers high top-load performance with a very high stiffness-impact balance
- Designed to deliver purity of taste & smell of food content
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Phthalate free
- Potential shorter cycle times
- Good balance of mechanical properties
- High flow for thinner walls
- Higher top-load strength & stiffness
- Dimensional stability – low warpage
- Higher stiffness at higher temperatures
- Excellent organoleptic



Ultra-thin Impact Resistant Rigid Packaging

SABIC® PP FLOWPACT FPC105 Impact Copolymer



SOLUTION SUMMARY

- Dedicated to the thin wall packaging market
- Delivers very high flow with superior mechanical properties
- Ensures purity of taste & smell of food content
- Enables cost efficient processing with short production time
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Very high flow with superior stiffness - impact balance
- Excellent organoleptic properties
- Enables very cost efficient processing with short cycle times
- Good antistatic performance
- It is also nucleated and phthalate & odor free



Transparent Thin-wall Containers for Pure Taste

SABIC® PP QRYSTAL QR6711K Polymer



SOLUTION SUMMARY

- Delivers an excellent transparent polypropylene property
- Ensures purity of taste & smell of food content
- Specific additives support to enhance its performance
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Consistent processability
- Good stiffness
- Exceptional clarity
- Low thickness
- Low warpage
- Easy to flow



Thin-wall Pail

SABIC®PP 412MK49 Polymer

SOLUTION SUMMARY

- Has medium-high flow properties
- Excellent impact-stiffness balance
- Ensures purity of taste & smell of food content
- Can be used for housewares, toys, appliances, thin-walled containers
- SABIC material share of this application is 100%



VALUE PROPOSITION

- Excellent top load strength & down gauging potential
- Excellent impact resistance
- Excellent, clean product combination of low / no odor & taste

Slightly Carbonated Drink Caps

SABIC® HDPE CC453 Polymer

SOLUTION SUMMARY

- Specially developed for caps & closures
- Ideal for the packaging of beverages, water, milk and liquid dairy products
- Offers an ideal combination of different mechanical properties
- SABIC material share of this application is 100%



VALUE PROPOSITION

- Weight reduction
- Balance between impact strength & ESCR and Compliance with Food safety

Extended Shelf-life Food Packaging

SABIC® LDPE 7019EC Polymer



SOLUTION SUMMARY

- First approval in MEAF in critical aseptic liquid packaging segment at extrusion speed 450m/min
- Has low neck-in excellent processability
- Additive free, good organoleptic
- Regional availability of autoclave LDPE, reduced lead time & effective inventory management
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Low neck-in
- Regional availability
- Lower lead time
- Additive free
- Good Organoleptics
- One solution package



Sustainable Films for Labels

SABIC® PP 5212P Polymer



SOLUTION SUMMARY

- Designed for specialty & value added BOPP films with sustainability benefits
- 20% higher stiffness helped in downgauging the label film by ~10 to 15%
- SABIC material share of this application is 95%

VALUE PROPOSITION



- High stiffness & superior mechanicals
- Regional availability
- Lower lead time
- Sustainable
- D4R films to enable PO based structures
- ~10- 15% down gauging & improved barrier



Meat & Chicken Film Packaging

COHERE™ (POP) 8102L Plastomer



SOLUTION SUMMARY

- Performs well in high performance LLDPE blown film applications
- An excellent combination of toughness, hot tack, sealing and optical properties
- Contains slip and antiblock additives
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Higher durability
- Better aging
- Local availability
- High mechanical properties



Bottles for Household and Industrial Chemicals (HIC)

SABIC®HDPE B5628 Polymer



SOLUTION SUMMARY

- Offers high chemical resistance, excellent mechanical properties to produce bleach bottles
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Higher durability
- One stop shop
- Local availability
- High mechanical properties



Heavy Duty Bags Film

SABIC® LLDPE 518NJ Polymer



SOLUTION SUMMARY

- One of the great solutions for heavy duty films
- Fractional melt-index and TNPP free
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High toughness
- Good puncture resistance
- Good heat sealing behaviour



Frozen Food Bag

SABIC® LLDPE 118 NJ/WJ/LJ/ZJ Polymer



SOLUTION SUMMARY

- Engineered specifically to be used on a conventional tenter frame production line
- Supports easy and full recyclability of the flexible packaging
- Helps overcome the limitations of conventional PE film
- Offers higher throughput and down gauging compared to blown PE film process
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good printability



Co-extruded Films For Shopping Bags, Carrier Bags & Garbage Bags

SABIC®LLDPE 218 NJ/WJ/BJ Polymer



SOLUTION SUMMARY

- One of the great solutions for films used in general purpose applications
- TNPP free and different value of additive package level
- Can also be used for cast film
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Easy to process and giving good tensile properties
- Impact strength and optical properties



Pallet Stretch Wrap Film

SABIC®LLDPE 318BJ Polymer



SOLUTION SUMMARY

- One of the great solutions for stretch film applications
- Easy processing and excellent optical properties
- SABIC material share of this application is 100%

VALUE PROPOSITION



- This grade typically designed for easy processing and specially formulated for optimum thermal stability at high temperatures used in cast film extrusion with excellent optical properties



Buckets For Household Packaging

SABIC®PP 49MK45 Polymer



SOLUTION SUMMARY

- Specially developed for producing housewares, toys, appliances, furniture, pails & containers
- Contains additives that support to enhance its performance
- Medium flow properties, excellent mechanical properties balance
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Contains nucleating & antistatic agents
- Medium flow properties
- Excellent impact
- Stiffness balance



Bread Bags

SABIC®LLDPE 120WJ / 121WJ Polymer



SOLUTION SUMMARY

- One of the great solutions for bread bags
- TNPP free and excellent optical and mechanical properties
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Grades have a good tensile properties
- Impact strength and excellent optical properties
- Grades have contains slip and antiblock additive



Heavy Duty Agricultural Films

SABIC®LLDPE 6821NJ Polymer



SOLUTION SUMMARY

- One of the great solutions for high strength film packaging applications
- Fractional melt index hexene copolymer, TNPP free
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Films produced using this resin gives outstanding toughness
- Excellent puncture resistance
- Good sealing characteristics and tear resistance



Stretch Film

SABIC®LLDPE 6318BJ Polymer



SOLUTION SUMMARY

- One of the great solutions for stretch films
- Hexene comonomer based, TNPP free
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Grade have easy processability and specially formulated for optimum thermal stability at high processing temperatures used during production of Cast films
- Films produced using this resin gives excellent optical properties, toughness, puncture resistance



Barrier Films

SABIC® PA6 S32 Polyamide



SOLUTION SUMMARY

- Used as a barrier layer in multilayer flexible packaging
- Superior oxygen barrier & toughness
- Meets the required CTQs
- Approved by leading barrier film manufacturer
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Superior Oxygen barrier
- Excellent toughness



Paper Coating

SABIC® LDPE 7019EC Polymer



SOLUTION SUMMARY

- Designed for high speed extrusion coating applications
- Superior processability, good adhesion to various substrates at low coating thickness
- Good sealing properties
- Meets the required CTQs
- Approved by leading extrusion coating customers
- SABIC material share of this application is 20%

VALUE PROPOSITION



- Superior processability
- Good adhesion to various substrates at low coating thickness & good sealing properties



General Purpose Packaging Film

SABIC® LLDPE 122NJ Polymer



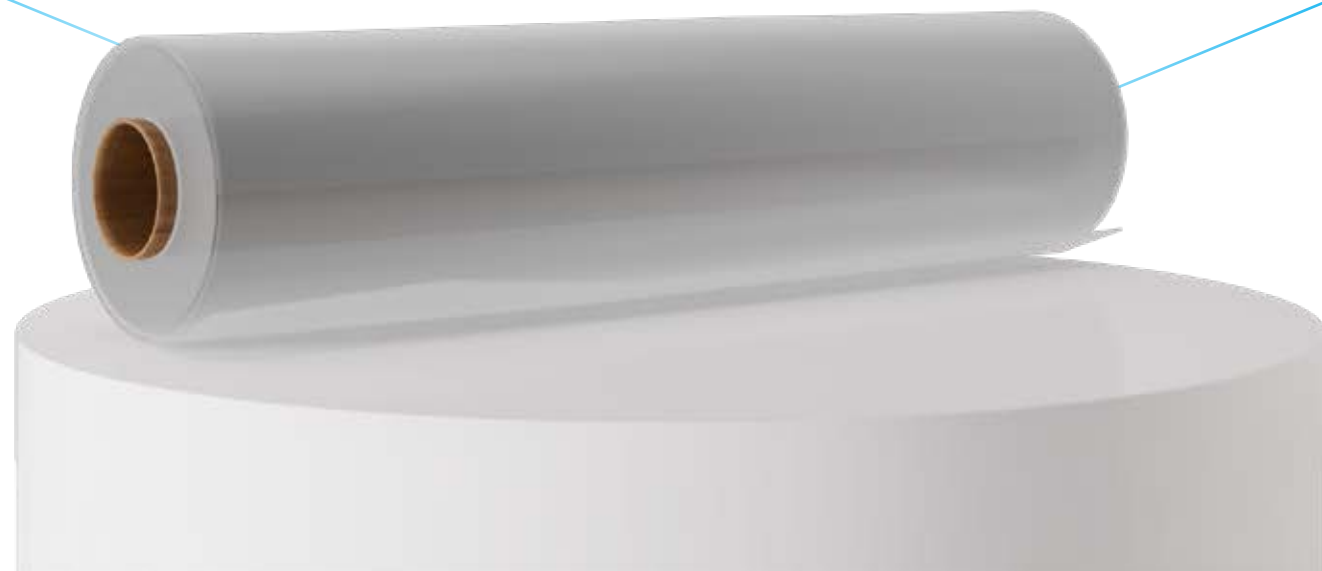
SOLUTION SUMMARY

- Shipping sacks, ice bags, frozen food bags, stretch wrap film, produce bags, liners, carrier bags, garbage bags, agricultural films, laminated meat wrap, shrink film
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good puncture resistance
- High tensile strength and good hot tack properties



Cast Film Packaging

SABIC® LLDPE 222NJ Polymer



SOLUTION SUMMARY

- Lamination film, thin liners, shopping bags, carrier bags, garbage bags, coextruded films, consumer packaging and other general-purpose applications
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good tensile properties
- Impact strength and optical properties



Cast Film For Packaging

SABIC® LLDPE 320BJ Polymer



SOLUTION SUMMARY

- Hand and pallet stretch wrap, cling film, melt embossed film

VALUE PROPOSITION



- optimum thermal stability at high temperatures
- Excellent optical properties
- Puncture resistance and tear strength



Jerry Cans

SABIC®HDPE B1054 Polymer



SOLUTION SUMMARY

- Specially developed for blow molded bottles and jerry cans
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High stiffness
- Good processability and excellent combination of stiffness/ESCR



Milk and Laban Bottles

SABIC® HDPE B4660 Polymer



SOLUTION SUMMARY

- Medium molecular weight High Density Polyethylene homopolymer for blow molding applications
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Designed for imparting high rigidity
- Toughness and good processability



SMALL BLOW MOLDED BOTTLES

SABIC® HDPE B5428 Polymer



SOLUTION SUMMARY

- HDPE B5428 is a medium molecular weight high-density polyethylene resin used for blow molding
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High stiffness
- Good impact strength and good Environmental Stress
- Cracking Resistance (ESCR)



Blow Molded Household Chemical Bottles

SABIC® HDPE B5429 & B5429A Polymers



SOLUTION SUMMARY

- Medium molecular weight High Density Polyethylene copolymer
- Primarily intended for blow molding articles of small sizes
- Available with antistatic additive
- SABIC material share of this application is 100%

VALUE PROPOSITION



- B5429 series grades offer excellent combination of toughness
- Stress cracking resistance
- Load bearing strength with easy processability



Foam Food Tray

SABIC® PS 160 Polystyrene



SOLUTION SUMMARY

- A general purpose polystyrene grade
- Suitable for foam extrusion products, such as egg trays, cookie and cake trays, clam-shell and building insulation boards etc.
- High molecular weight that imparts high tensile strengths
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good processability
- Good dimensional stability
- Excellent foamability



Milk Bottles

SABIC® HDPE BM6246LS Polymer



SOLUTION SUMMARY

- A medium molecular weight High Density Polyethylene homopolymer grade for blow molding applications
- SABIC material share of this application is 100%



VALUE PROPOSITION



- High rigidity
- Toughness and good processability
- These unique properties offer the possibility to reduce weight at very good top load strength

Grocery sacks & Shopping Bags

SABIC® HDPE F00952J and FJ00952 Polymers



SOLUTION SUMMARY

- TNPP additive free
- High molecular weight High Density Polyethylene copolymer
- SABIC material share of this application is 100%



VALUE PROPOSITION



- Good combination of easy extrusion and high melt strength with strong physical properties

Plastic flexible bags

SABIC® HDPE F04660 Polymer



SOLUTION SUMMARY

- A homopolymer film grade with a broad processing window designed for film production
- SABIC material share of this application is 100%

VALUE PROPOSITION



- It has good moisture barrier properties and can be blended with LDPE and LLDPE to improve film strength and rigidity



Heavy Duty Bags

SABIC® HDPE FI0750 Polymer



SOLUTION SUMMARY

- A high molecular High Density Polyethylene copolymer grade typically used for blown film applications
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Features are balance between toughness and stiffness, good impact properties with low gel level



Shopping Bags, Garbage Bags & Industrial Liners

SABIC® HDPE FI0851P Polymer



SOLUTION SUMMARY

- A bimodal high molecular weight high density polyethylene resin designed for blown film applications
- SABIC material share of this application is 100%

VALUE PROPOSITION



- This resin has broad molecular weight distribution that makes it easier to process
- Films made from this resin exhibit high stiffness, excellent impact and toughness characteristics



Industrial Oil Bottle

Mechanically Recycled SABIC® HDPE T3K01B Polyethylene



SOLUTION SUMMARY

- Collaboration with global brand owners
- Sustainable packaging made with mechanically recycled plastics
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Mechanically recycled material
- Very good processability
- Reduced co2 emissions
- Compounded



Intermediate Bulk Containers (IBC) For Industrial Packaging

SABIC®HDPE ICP4507S Polymer



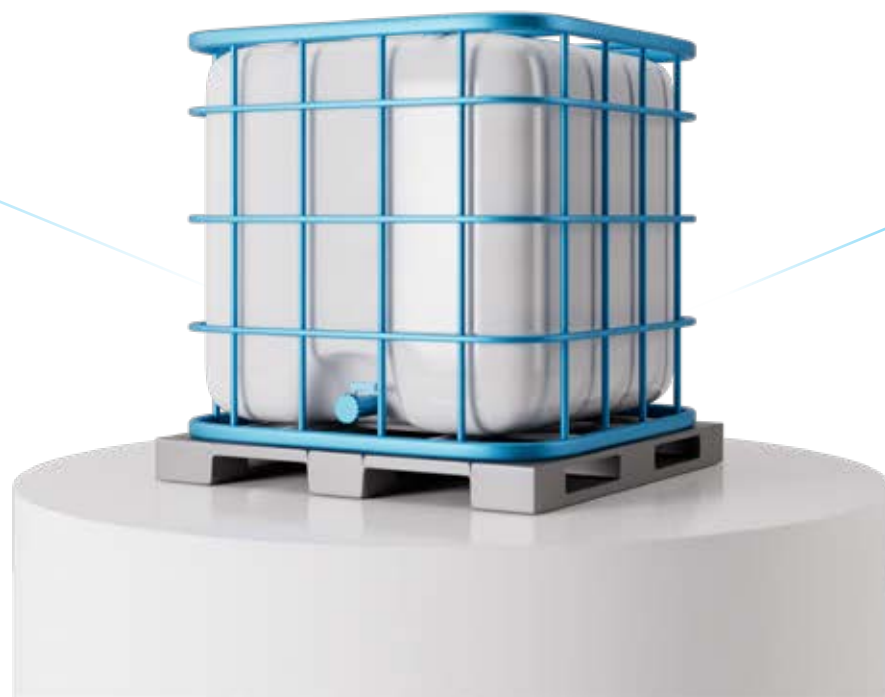
SOLUTION SUMMARY

- Excellent strength, impact resistance, and chemical resistance
- Ideal for manufacturing intermediate bulk containers
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Higher durability
- Better aging
- Local availability
- High mechanical properties



Industrial Plastic Drums

SABIC® HDPE B5403 Polymer



SOLUTION SUMMARY

- High Density Polyethylene specially developed for blow molding
- SABIC material share of this application is 100%

VALUE PROPOSITION



- The material offers an excellent combination of stiffness and ESCR and a high Impact resistance



Housewares & Industrial Pails

SABIC® HDPE M80064/S Polymer



SOLUTION SUMMARY

- Narrow molecular weight distribution
- Suitable for injection molding applications
- Gives good rigidity, toughness and low warpage
- UV stabilized version available
- SABIC material share of this application is 100%

VALUE PROPOSITION



- Good rigidity
- Toughness and warp resistance & Good Flow ability



Snap Pots for Beans

Certified Circular SABIC® PP Polymer



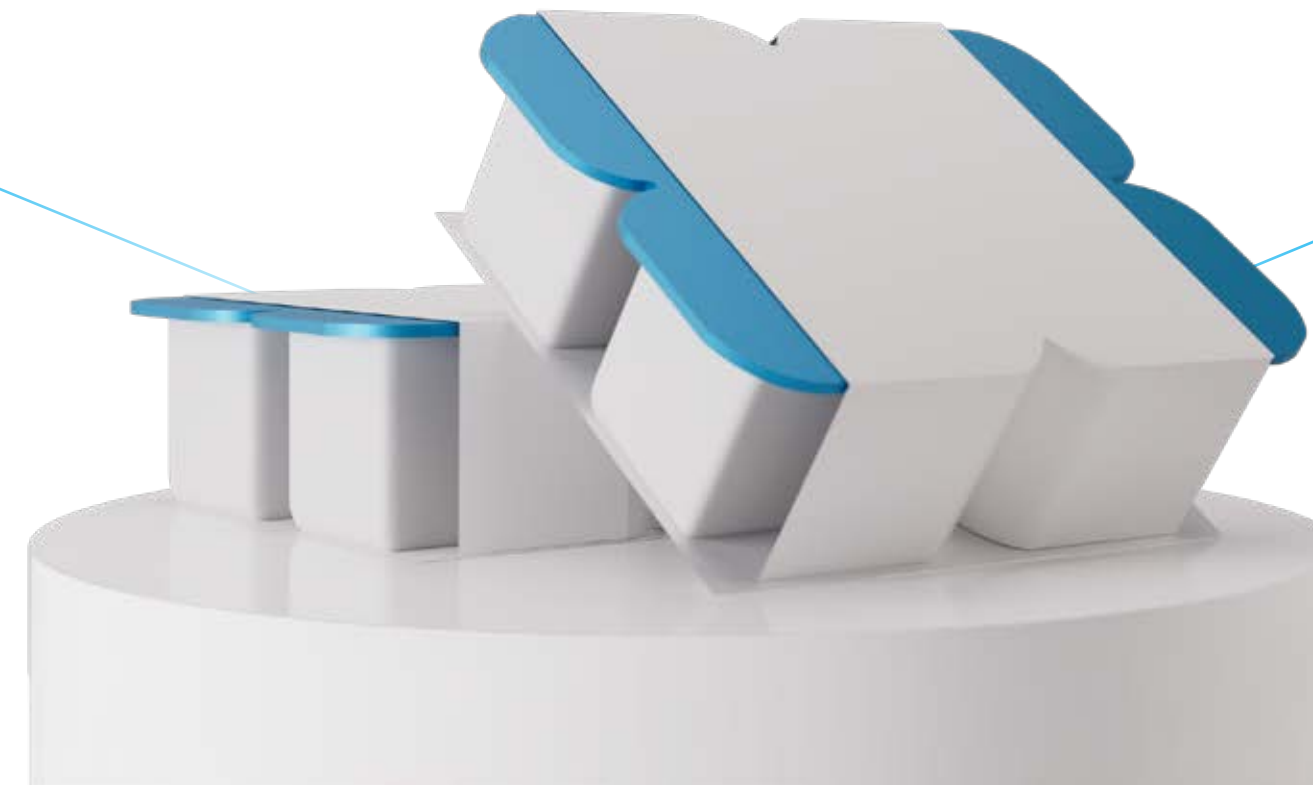
SOLUTION SUMMARY

- Product of a collaborative innovative recycling trial
- Certified circular PP produced from used soft plastic packaging
- Good for microwavable pots
- Offers same quality as virgin resin
- 2022 Best New Concept Award Winner (UK Packaging Awards 2022)
- Silver Award Winner (Innovation Awards 2022)

VALUE PROPOSITION



- Certified circular solution
- Compliance with food safety
- Closed loop project
- Processing & reliability



Frozen Seafood Packaging

Certified Circular SABIC® PE From Ocean Bound Plastics



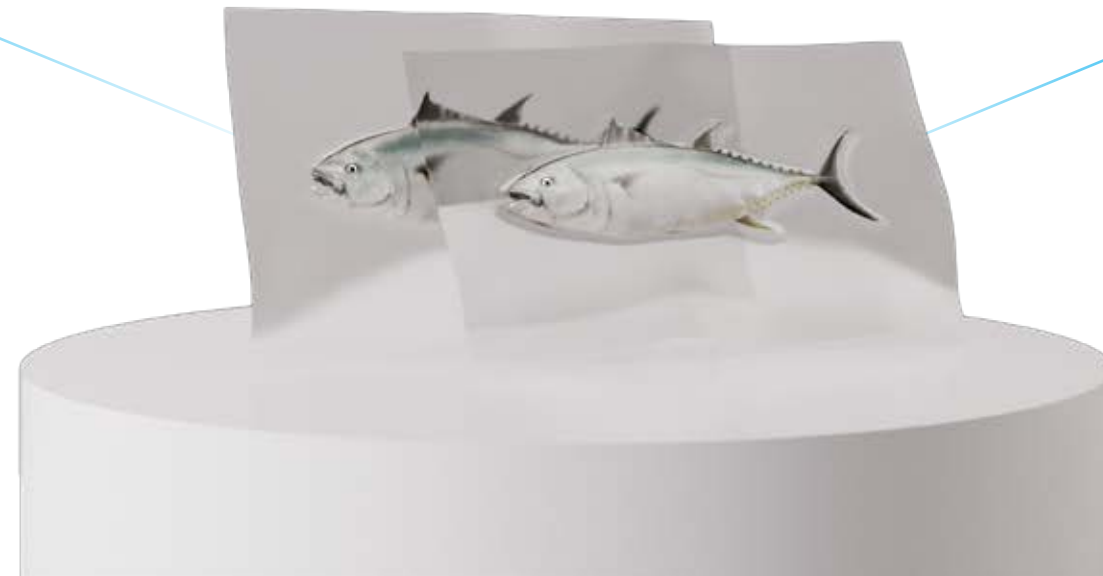
SOLUTION SUMMARY

- World's first frozen food packaging solution using SABIC's certified circular PE from ocean bound plastic
- SABIC material share of this application is 100%
- Edison Award 2023 Gold Medal Winner

VALUE PROPOSITION



- Certified circular solution from ocean bound plastics use
- Compliance with food safety
- Processability & application performance



Wet Pet Food Retort Pouches

Certified Circular SABIC® PP Polymer



SOLUTION SUMMARY

- Innovative pet food packaging solution
- Uses certified circular SABIC® PP impact copolymer
- A phthalate-free and gel-controlled film layer
- Passed the tests under demanding processing conditions
- Approved by a vigorous cat-tasting panel
- Great organoleptic properties

VALUE PROPOSITION



- Certified circular solution
- Retort process performance
- Compliance with food safety & taste
- Processing & reliability



Chips Bags

Certified Renewable SABIC® PP Polymer

SOLUTION SUMMARY

- A drop-in solutions for replacing fossil based plastics in the packaging industry
- No compromise on food safety
- Creating a sustainable value chain

VALUE PROPOSITION

- Value chain collaboration
- Renewable solutions
- Strenght
- Processing & Reliability



Baby Food Caps

Certified Circular SABIC® HDPE Polymer

SOLUTION SUMMARY

- Circularity through collaboration
- A new cap made from recycled plastic

VALUE PROPOSITION

- Certified circular solution
- Compliance with food safety
- Impact resistance
- Processing & reliability



Fresh Cut Salad Bags

Certified Circular SABIC® PP Polymer



SOLUTION SUMMARY

- Fresh cut salad packaging made with certified circular SABIC® BOPP polymer
- Produced by advanced recycling of post-consumer plastics
- Complies with food contact regulations
- Fully recyclable in flexible packaging

VALUE PROPOSITION



- Certified circular solution
- Compliance with food safety
- Impact & puncture resistance
- Processing & reliability



Ocean Action Label

Certified Circular SABIC® PP From Ocean Bound Plastics



SOLUTION SUMMARY

- World's first packaging label materials made from advanced recycled ocean-bound plastic
- Promoting circularity through collaboration

VALUE PROPOSITION



- Certified circular solution from ocean bound plastics use
- Compliance with food safety
- Processability & application performance



Frozen Seafood Packaging

Certified Circular SABIC® PP QRYSTAL Polymer From Ocean Bound Plastics

SOLUTION SUMMARY

- A highly sustainable new packaging pouch for frozen prawns
- Made from a multilayer film using SABIC's certified circular random copolymer
- Promoting circularity through collaboration

VALUE PROPOSITION

- Certified circular solution from ocean bound plastics use
- Compliance with food safety
- Processability & application performance



Tethered Caps

SABIC® HDPE CC027C & CC027SL Polymer

SOLUTION SUMMARY

- Organoleptic polymer grades answer the need for increasing mechanical and part performance requirements for tethered cap designs
- Support beverage brand owners to comply with the new EU Single-Use Plastic Directive

VALUE PROPOSITION

- Recyclable
- Compliance with food safety
- Strength
- Processing & reliability



Food Trays, Boxes, Cups

SABIC® PS 330 Polystyrene



SOLUTION SUMMARY

- High impact strength polystyrene grade
- Medium to high heat deflection temperature, good physical properties
- Designed for extrusion and thermoforming applications
- Can be used for food packaging, disposable cutlery items and dairy products
- SABIC material share of this application is 100%

VALUE PROPOSITION



- High impact strength
- Availability, Lower lead time
- Compliance with Food safety
- Excellent processability.



AGRICULTURE



SABIC SOLUTIONS FOR AGRICULTURE

SABIC is a significant player in the fertilizers industry. It supplies customers throughout the Middle East, Far East, Africa, and the US with a wide variety of agri-nutrient products, from general to highly specific, helping address the world's ever growing demand for food. The product range includes urea, ammonia, and a comprehensive portfolio of nitrogen-based inorganic products

The establishment of the Saudi Arabian Fertilizer Company (SAFCO) in 1965, through a joint venture between the Kingdom of Saudi Arabia and its citizens, marked a significant milestone for Kingdom's agri-nutrient sector. Evolving from these beginnings, the Company has expanded with the commissioning of new plants and unification of strategies to present a stronger front for operations. Having established a global presence, SAFCO underwent a rebranding in 2020, adopting the name SABIC Agri-Nutrients Company (SABIC AN).

SABIC AN is a world-class producer and marketer of agri-nutrients. As a front-runner in the sector, we take a strategic and long-term approach to ensuring sustainability of our products, services, business model, and wider impact on the Kingdom and planet. We have leveraged SABIC AN's robust technology and innovation pipeline and industry-leading collaborations to explore opportunities beyond conventional fertilizers; extending our reach to the entire value chain, seeking to meet the evolving needs of growers around the globe, and responding to the scale and pace of developments that affect our planet.



SABIC AN VISION

- To become the preferred global leader in agri-nutrients by 2025.



SABIC AN MISSION

- Contribute to global food security by providing sustainable agri-nutrient solutions to our customers and communities.
- Engage innovative minds to develop a unique and integrated range of sustainable agri-nutrient solutions using advanced and developed technologies to deliver leading-edge nutrients, towards higher yields of high-quality crops to feed an ever-growing global population.
- Encouraging and enhancing value for shareholders, customers and employees
- Attracting, developing and maintaining our greatest assets (our employees).

OUR PRODUCTS

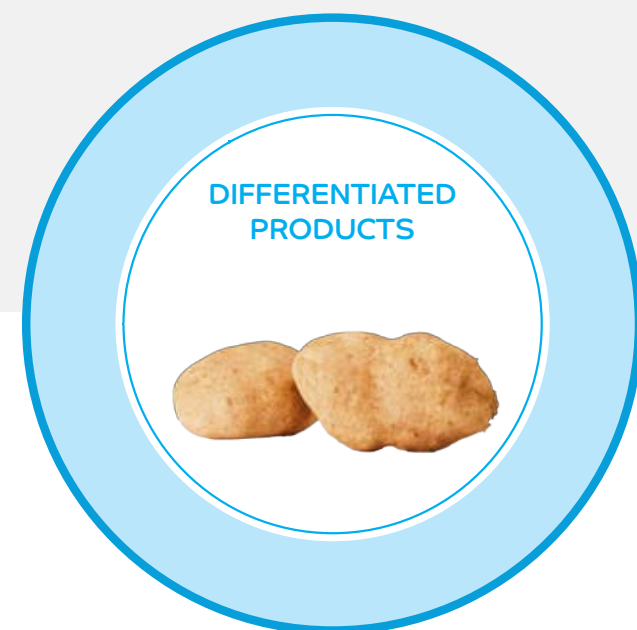
The company's product portfolio extends from general to highly specific, and caters to the world's ever-increasing demand for food, and its many supply challenges.





NITROGENOUS FERTILIZERS AND PHOSPHATES

SABIC AN has earned its place as a world-class producer and marketer of nitrogen-based inorganic products and phosphates, and these continue to form a key pillar of strategic future growth.



DIFFERENTIATED PRODUCTS

The Company leverages its strong research and development competencies to develop and introduce value-added and specialty products to the global market. They include products such as Zinc Coated Urea, Stabilized Urea, and Bio-Enhanced Urea.

The focus is on enhancing existing formulations and innovating new ones, not only to boost crop yields and quality but also to tackle various related challenges.

In addition to agri-nutrients fertilizers and chemical intermediaries, ammonia is finding new and promising applications in power generation, shipping fuel, and serving as carriers for hydrogen.

These emerging opportunities position the Company to play a pivotal role in influencing and driving market growth.



TECHNICAL GRADE UREA (TGU)

SABIC AN continues to supply manufacturers around the world with Technical Grade Urea (TGU). The superior quality and high purity of TGU meets global benchmarks and also helps marketing and distributing companies deliver premium solutions to their customers without compromising on quality.



LOW-CARBON PRODUCTS

In 2022, SABIC AN and Saudi Aramco obtained the world's first independent certification of low-carbon ammonia. Since then, the Company has continued to lead the field in developing products for the low-carbon agri-nutrients fertilizer market.

2023 marked another landmark achievement as SABIC AN delivered the world's first global shipment of low-carbon urea.

The Company aims to continue expanding its presence in the area of low-carbon Agri-nutrients - developing products that are in compliance with local regulations and global benchmarks.

NPK grade for date palm

Granular NPK (NPK 16-8-16+15S)

SOLUTION SUMMARY

- Developed specifically for date palm trees
- Provides balanced levels of primary and secondary nutrients during the whole year, helping healthy growth and good harvest

VALUE PROPOSITION

- Single product for palm trees nutrients
- Contains primary and secondary nutrients
- Applicable for the whole year/season



NPK grade for vegetables and green landscapes

Granular NPK (NPK 18-18-5+9S)

SOLUTION SUMMARY

- Used in a wide range of vegetables and green landscapes
- Provides balanced levels of primary and secondary nutrients with its need during the whole year

VALUE PROPOSITION

- Single product for a range of vegetables and green landscapes
- Contains primary and secondary nutrients
- Applied for the whole year/season
- Promoting homogeneity of primary and secondary nutrients



NPK grade for tuber crops

Granular NPK (NPK 11-29-19+6S)



SOLUTION SUMMARY

- Developed specifically for tuber crops and fruits which include potatoes, onions and watermelons
- Provides balanced levels of primary and secondary nutrients during the whole year

VALUE PROPOSITION



- Single product for palm trees nutrients
- Contains primary and secondary nutrients
- Applicable for the whole year/season
- Promotes healthy growth, provides good yield and produces excellent results



Ammonia for agricultural/industrial applications

ANHYDROUS AMMONIA



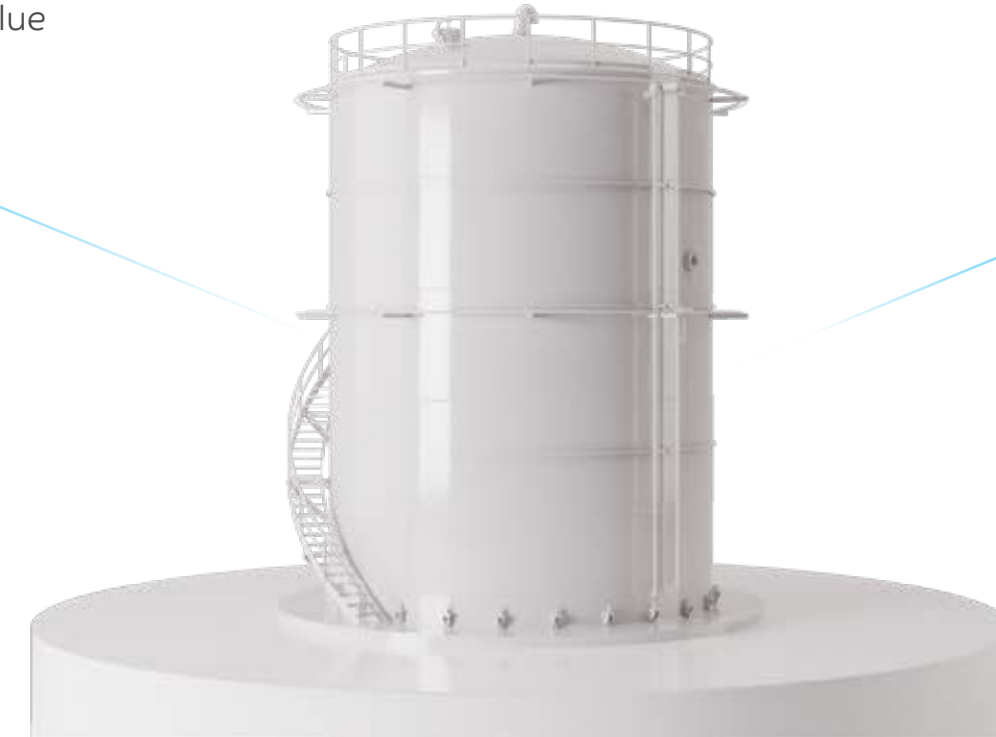
SOLUTION SUMMARY

- Main raw material for the production of urea
- Used as one of the raw materials for the manufacturing of several other fertilizer products including DAP, NP/NPK, ammonium nitrate, calcium ammonium nitrate, ammonium sulphate and nitrogen solutions
- Ammonia can be applied directly to the soil, thus providing high nitrogen content
- Used for a number of industrial applications, such as caprolactum, acrylonitrile, nitric acid, melamine, explosives and glue

VALUE PROPOSITION



- Used in grains; injection to moist soils; dissolved in water and applied.
- High nitrogen content.



Stabilized urea as Nitrogen use efficiency (NUE) grade

ENRICHED UREA (SABIC STABILIZED UREA)



SOLUTION SUMMARY

- Stabilized Urea is Urea with inhibitor incorporated for stabilization
- Suitable for all types of applications and conditions

VALUE PROPOSITION



- Protects farmer's nitrogen investment by improving Urea efficiency
- Reduces nitrogen volatilization losses by up to 60-70%
- Improves nitrogen availability during critical crop-growth stages for more consistent yields



UREA CALCIUM SULFATE FERTILIZER

ENRICHED UREA (SABIC UCS 27)



SOLUTION SUMMARY

- Advised to be used in open fields for basal and/or top dressing
- UCS is an excellent Nitrogen source for cereals, fruits and vegetables and specifically for crops that require additional amounts of Sulphur and Calcium, such as Potato, Onion, Sunflower, Mustard, Sugarcane

VALUE PROPOSITION



- Nitrogen fertilizers fully granular product with three essential elements (Nitrogen, Sulfur and Calcium)
- Important contributor to efficient nutrient distribution
- Improves the nutrient uptake efficiency. (27 N + 7 S + 9 Ca)



Urea enriched with zinc to solve zinc deficiency in the soil

ENRICHED UREA (SABIC ZINC COATED UREA)

SOLUTION SUMMARY

- Urea enriched with Zn is an efficient way to solve Zn deficiency in the soil.
- It is suitable for all kinds of soils and different application methods (broadcasting or in fertigation)
- Suitable for a wide variety of crops across a wide range of environmental conditions

VALUE PROPOSITION

- Nitrogen fertilizers fully granular product enriched with Zn
- Incorporating Zn in urea fertilizers has a positive effect on plant growth and nutrient uptake



Urea enriched with humic acid as biostimulant

ENRICHED UREA (UREA PLUS HUMIC ACID)

SOLUTION SUMMARY

- SABIC Urea Plus Humic Acid is an ideal Nitrogen fertilizer enriched with high performance humic acid
- It can be used in the planting fertilizer blends or used in top dressing
- It can be used in a wide range of crops like Cereals, Forage crops, Turf & landscapes, Vegetables crop, Sugarcane, Potato

VALUE PROPOSITION

- Nitrogen fertilizers fully granular product coated with humic acid
- Improves nitrogen use efficiency
- SABIC Urea Plus Humic Acid is 100% soluble and can be used for soil application or by fertigation



GRANULAR UREA rich in nitrogen

GRANULAR UREA



SOLUTION SUMMARY

- Suitable for a wide variety of crops across a wide range of environmental conditions.

VALUE PROPOSITION



- Nitrogen fertilizers fully granular product
- The highest nitrogen concentration in the available solid conditions



PRILLED UREA rich in nitrogen

PRILLED UREA



SOLUTION SUMMARY

- Suitable for a wide variety of crops across a wide range of environmental conditions.

VALUE PROPOSITION



- Prilled Urea is white, solid, odorless or slightly ammoniacal, water soluble, produced in both granular, prills, and pastilles with nitrogen content of 46%.
- The highest nitrogen concentration in the available solid conditions



TECHNICAL GRADE UREA

TECHNICAL GRADE UREA



SOLUTION SUMMARY

- Environmental control applications, such as Selective Catalytically Reduction, SCR
- Used in Resins and Adhesives industries.
- Animal feed.
- Cloud seeding agent

VALUE PROPOSITION

- TGU is a high purity source of nitrogen and is commonly used in the industrial sector



MAP

MONOAMMONIUM PHOSPHATE (MAP)



SOLUTION SUMMARY

- MAP is often used to add the required proportion of phosphate and nitrogen needed for farming clover, wheat and barley, especially in sandy soil
- MAP is a high analysis source of phosphorus and low level of nitrogen, which makes it useful as a 'starter' fertilizer. It is recommended for most of crops and vegetables.

VALUE PROPOSITION

- Agri-nutrients products that include P₂O₅ (52%) and ammoniacal nitrogen (11%)
- It supplies nitrogen and phosphorus to plants



Lower carbon footprint based ammonia grade

LOW CARBON AMMONIA

SOLUTION SUMMARY

- Low carbon ammonia certified by third party on the basis of reduced carbon footprint enabled by carbon capture and utilization (CCU) in downstream applications or underground sequestration
- Can be used as raw material for the production of low carbon urea
- One of the raw materials for the manufacturing of several other low carbon fertilizer products including DAP, NP/NPK, ammonium nitrate, calcium ammonium nitrate, ammonium sulphate and nitrogen solutions
- Can be applied directly to the soil, thus providing high nitrogen content with lower carbon content
- Used for a number of industrial applications, such as caprolactam, acrylonitrile, Nitric Acid, melamine, explosives and glue

VALUE PROPOSITION

- Lower carbon footprint than grey ammonia
- High nitrogen content with lower carbon footprint



Lower carbon footprint based urea grade for fertilizer applications

LOW CARBON UREA

SOLUTION SUMMARY

- Low carbon Urea is produced utilizing certified Blue Ammonia with zero Carbon Footprint on the basis of third party certification by TUV-R.
- It establishes the tonnage of NH3 production at SABIC Agri-Nutrients that can be certified as blue/low on the merit of captured CO2 from the process that is utilized in other SABIC processes.
- Helps in decarbonizing the value chain CO2 emissions linked to production fertilizers
- It will be further utilized to produce multiple grades of Enhanced Efficiency Fertilizers (EEF) with the lowest overall GHG Direct and Indirect emissions from scope 1, 2 & 3.

VALUE PROPOSITION

- Lower carbon footprint than grey urea
- Highest nitrogen content (with lower carbon footprint) in the available solid conditions



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