

# 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.

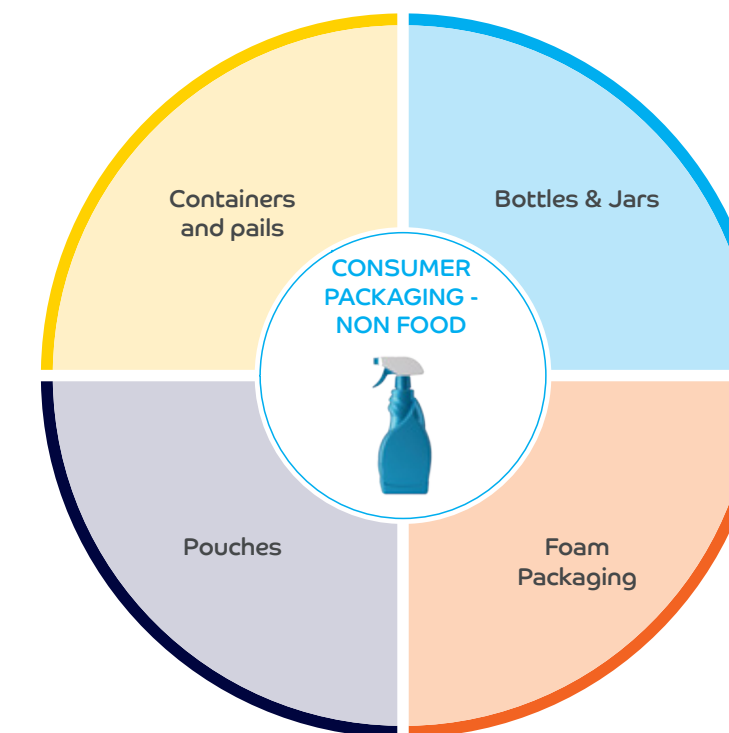
### FOOD & BEVERAGE PACKAGING

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.



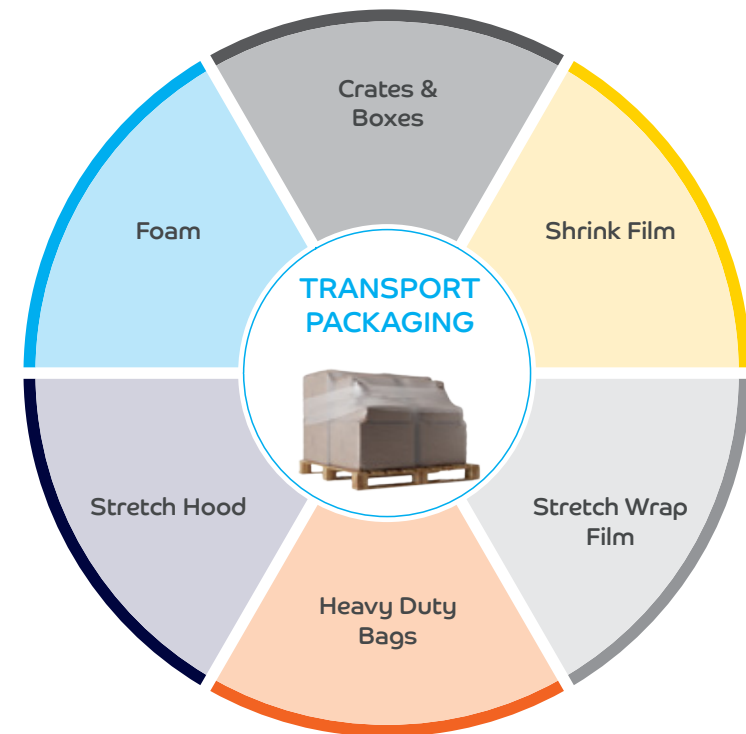
### CONSUMER PACKAGING - NON FOOD

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



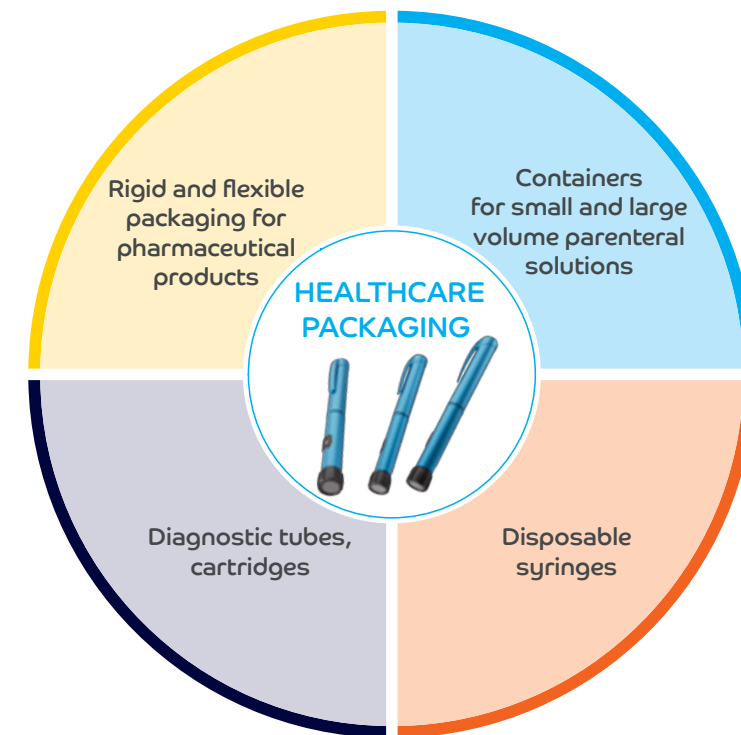
### TRANSPORT PACKAGING

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



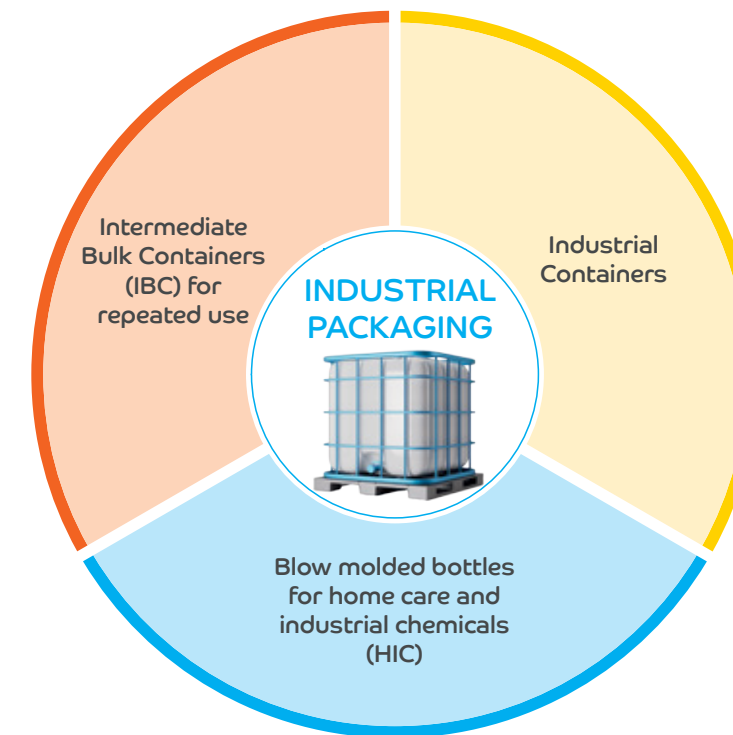
### HEALTHCARE PACKAGING

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



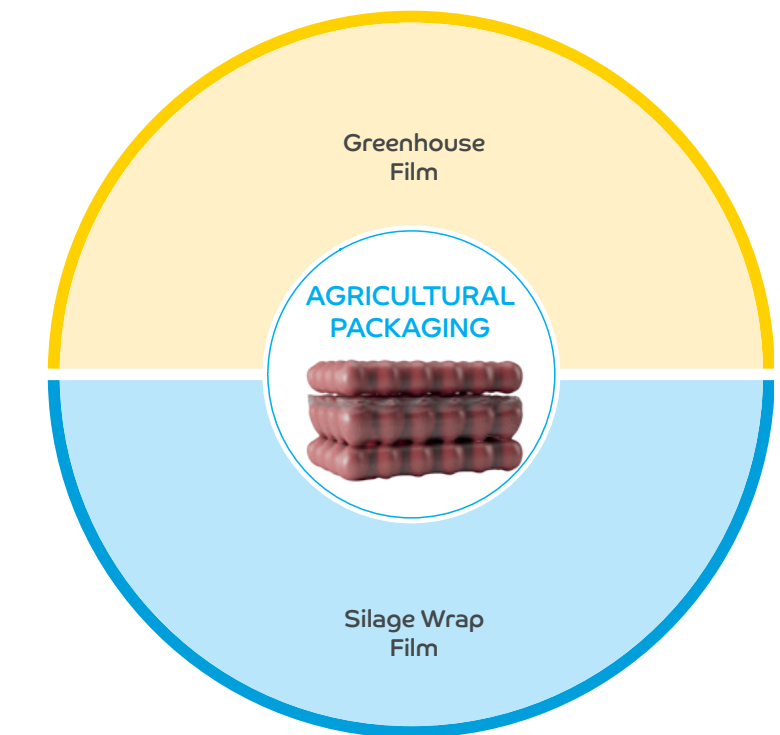
### INDUSTRIAL PACKAGING

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



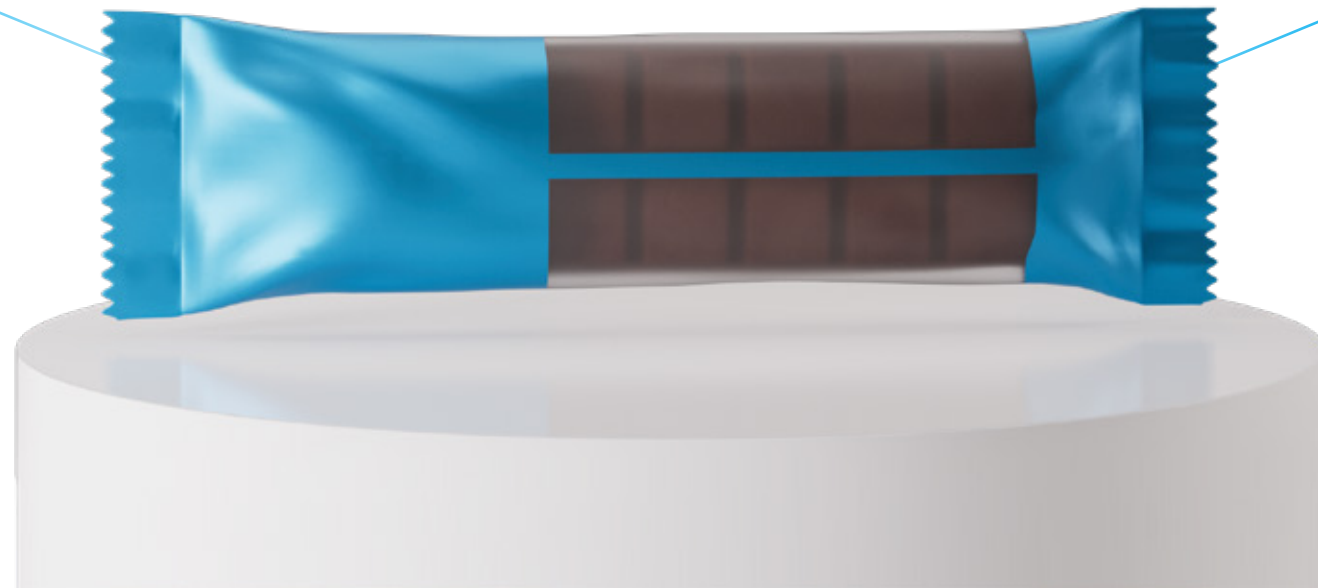
## SOLUTION SUMMARY

- 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

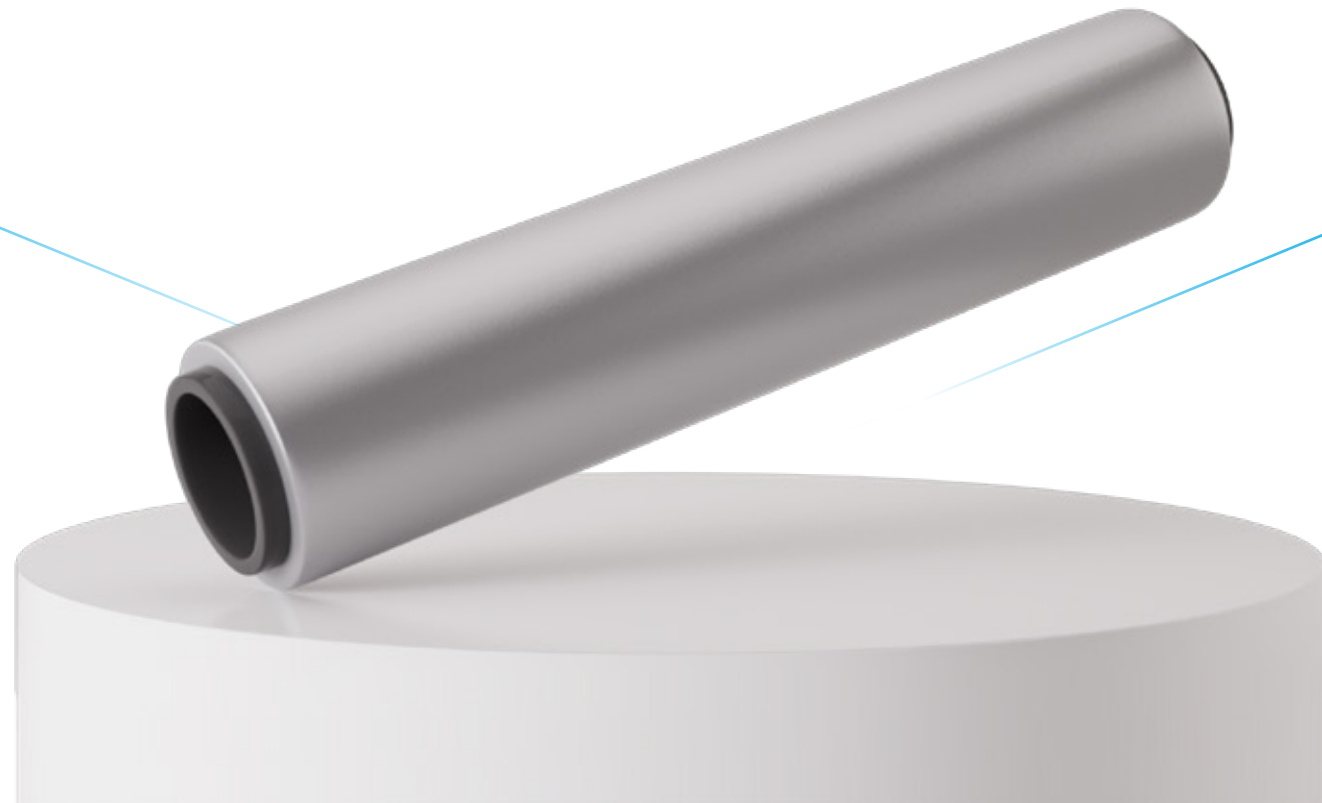
SABIC® PP 621P Polymer

## 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



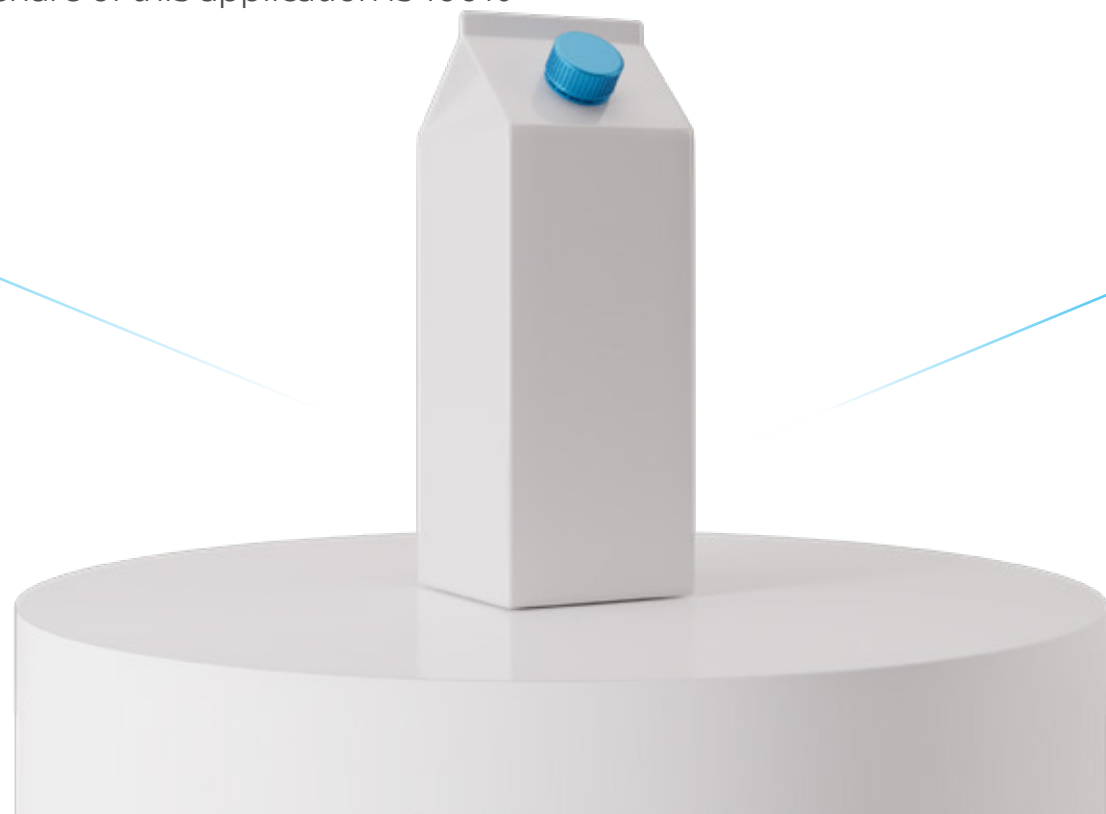
- Weight reduction
- Balance between impact strength & ESCR and Compliance with Food safety

## 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



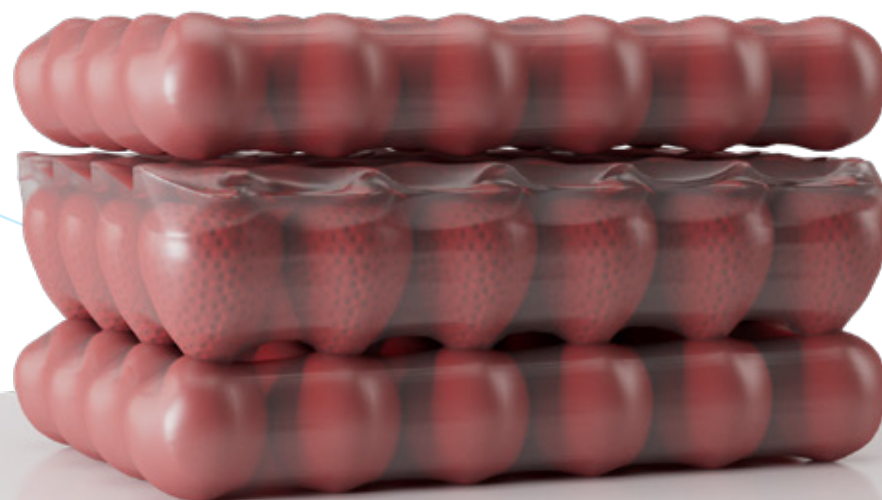
#### SOLUTION SUMMARY

- 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



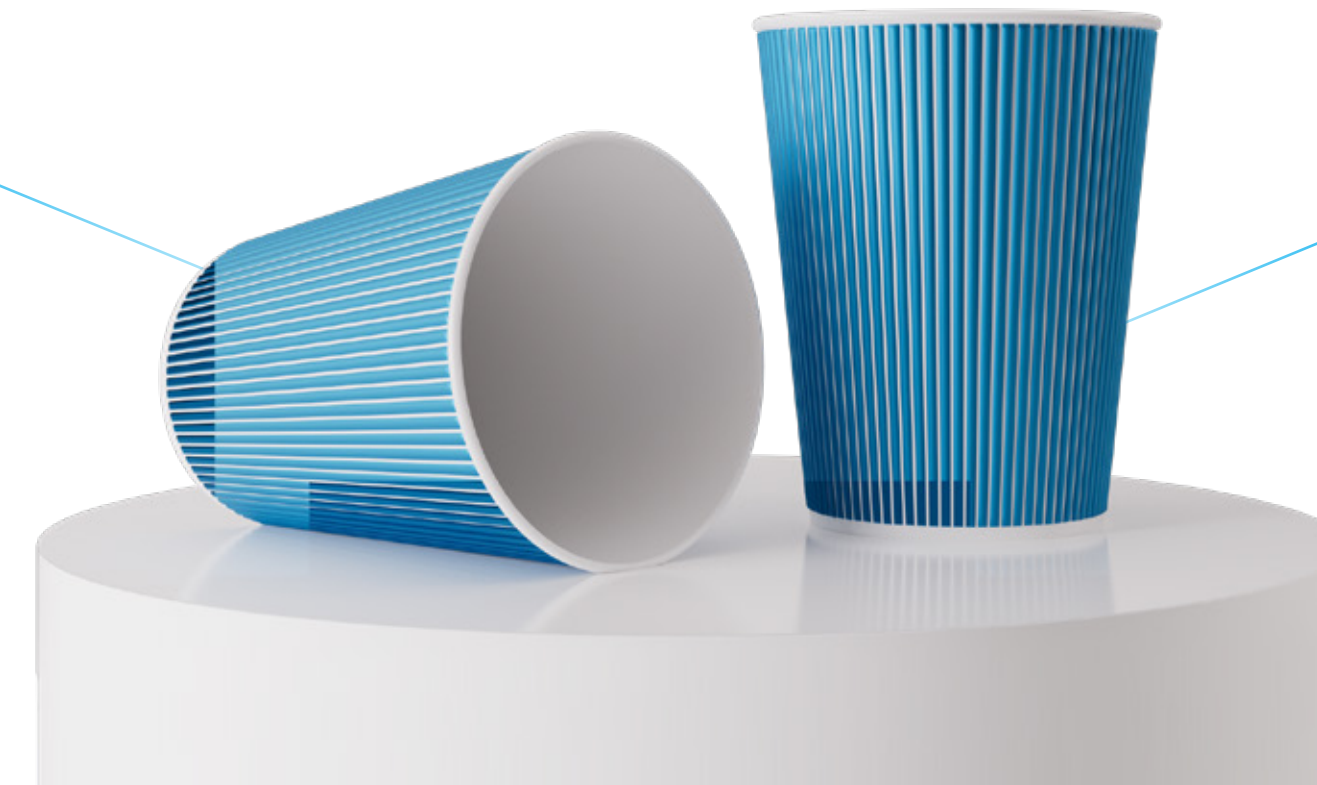
#### SOLUTION SUMMARY

- 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



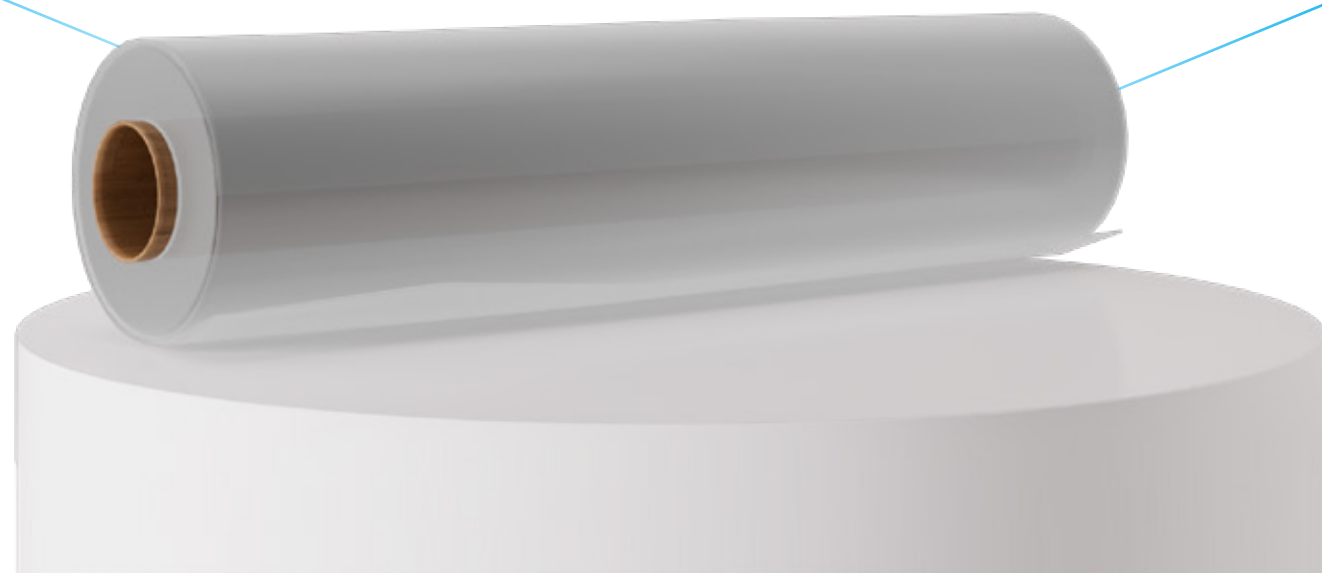
#### SOLUTION SUMMARY

- 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



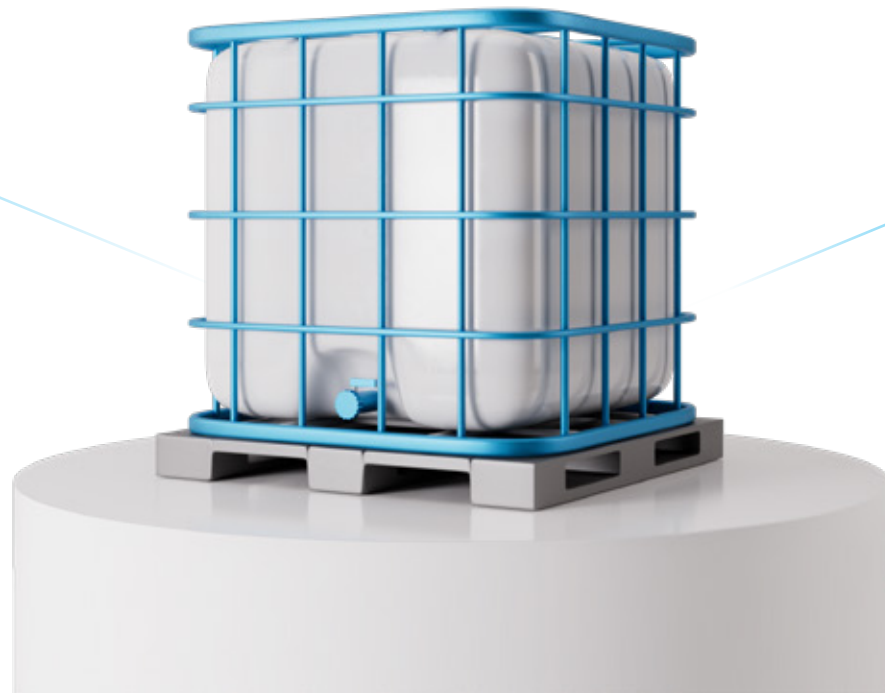
## SOLUTION SUMMARY

- 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



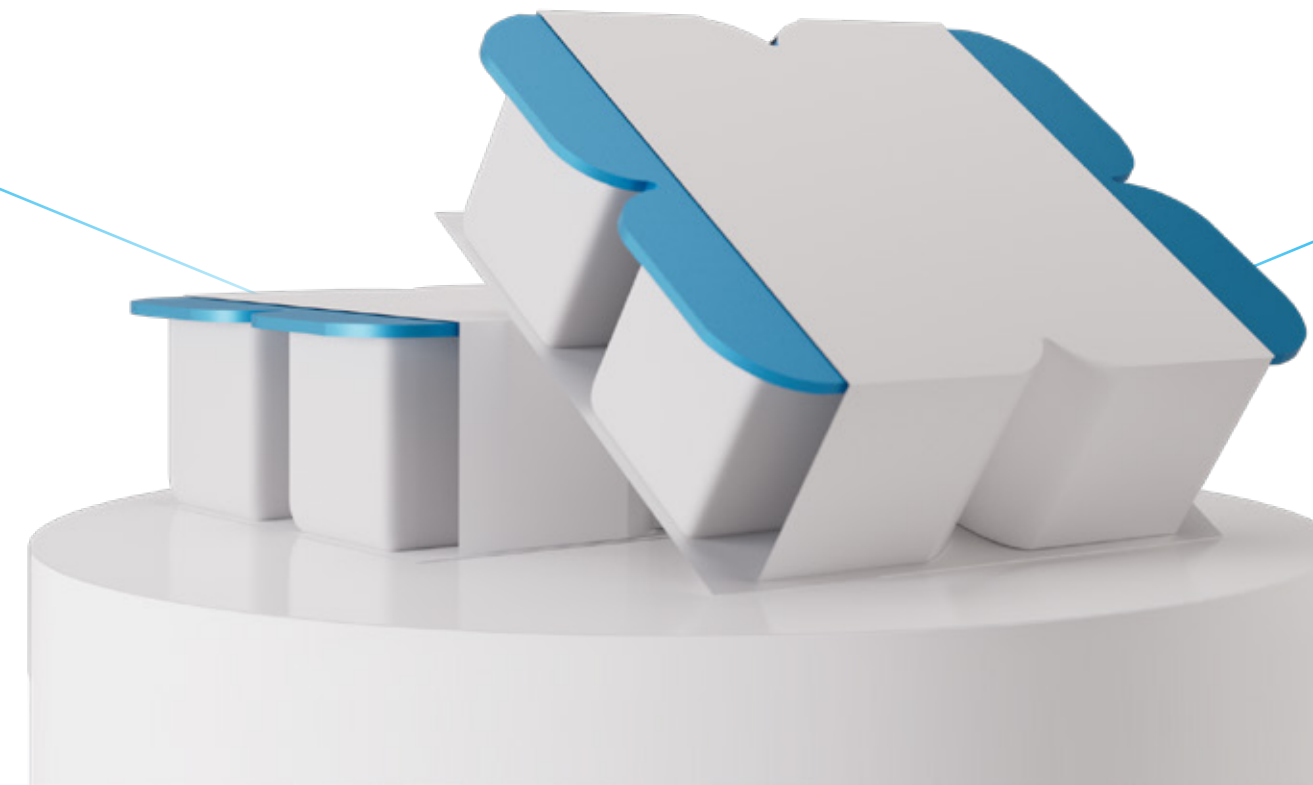
### SOLUTION SUMMARY

- 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.

