

CHEMISTRY THAT MATTERS™



# AESTHETICS WITH PERFORMANCE

POLYOLEFIN AND ENGINEERING THERMOPLASTICS SOLUTIONS  
FOR HOME APPLIANCES & CONSUMER GOODS



# ABOUT SABIC

SABIC is a market leader in key products such as engineering plastics, polyethylene, ethylene, ethylene glycol, methanol and MTBE.

Fostering innovation and a spirit of ingenuity, we have 21 dedicated Technology & Innovation facilities in Saudi Arabia, the USA, the Netherlands, Spain, Japan, India, China and South Korea.

With over 70 years of legacy of pioneering solutions in advanced engineering thermoplastics, SABIC is positioned to help create new opportunities for our customer's growth and breakthrough applications around the world. We offer our customers our expertise in a variety of ways:

- Material solutions generated from our legacy of creating solutions for your needs
- Application development and design support, logistics and processing expertise to spark new ideas and improved efficiencies, supported by global sales and supply
- Unwavering commitment to drive performance for our customers, ensuring long-term reliability and building valuable relationships







# HOME APPLIANCES AND CONSUMER GOODS

A growing global population combined with a rapidly increasing middle class is driving rapid expansion in the appliances and consumer goods and industry.

Plastics play an important role in the manufacture of small and large home appliances, which have become ever-present in our daily lives. Consumer demand for these products has meant that manufacturers are continuously striving to create solutions that are strong, light and durable, while also offering excellent aesthetics, functionality, performance, energy and resource-efficiency.

In addition, many manufacturers are looking for sustainable materials that can enable end of life recyclability and offer the highest levels of design and aesthetic freedom.

SABIC offers tailor-made solutions to meet these challenges, with a broad portfolio of engineering thermoplastics and polymer solutions that supports design for recyclability.

In addition, SABIC's new TRUCIRCLE™ material solutions encompass the company's circular materials and technologies including certified circular polymers from the chemical recycling of mixed plastic waste; certified bio-based renewable polymers; new polycarbonate (PC) based on certified renewable feedstock; and mechanical recycled polymers using post-consumer recycled (PCR) content.

## INDUSTRY TRENDS



### DESIGN & CONSUMER APPEAL

- SLEEK, MAXIMUM SPACE SAVING
- MULTI-USE AND EASE OF USE



### FUNCTIONALITY & SMART CONNECTIVITY

- TIME-SAVING FEATURES OR EASY USE
- IMPROVED FUNCTIONALITIES
- SMART MONITORING AND HOME CONNECTIVITY



### ENERGY EFFICIENCY

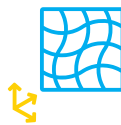
- LOWER ENERGY CONSUMPTION
- HIGH PERFORMANCE / LOWER COST



### SUSTAINABILITY

- RESOURCE-EFFICIENT PRODUCTS
- WASTE REDUCTION

## INDUSTRY MANUFACTURERS CHALLENGES



### EASE OF DESIGN & DIFFERENTIATE

- THINNER COMPONENTS
- HIGH GLOSS, SCRATCH RESISTANT AND BRIGHT WHITE MATERIALS



### COST EFFICIENCY

- MATERIAL REDUCTION – LIGHT WEIGHTING
- INTEGRATION OF COMPONENTS
- IMPROVED FUNCTIONALITIES
- TOTAL SYSTEM COST REDUCTION



### GLOBAL OPERATIONS

- GLOBAL BRANDS, REGIONAL PRODUCTIONS AND M&A FOR GLOBAL BUSINESS EXPANSION



### SUSTAINABILITY

- GREEN AND RECYCLABLE MATERIALS TO REDUCE WASTE

# LARGE APPLIANCES



# Refrigerators



## SHELF TRIM

RECYCLABLE SOLUTION TO REPLACE PS,  
NO YELLOWING

- SABIC® PPA20 High Gloss Impact Copolymer
- SABIC® PP511MK40T

## IMPACT STRENGTH

- CYCOLAC™ (ABS) Resin EX58F

## INNER DOOR LINERS AND DRAWERS

RECYCLABLE SOLUTION  
TO REPLACE PS, NO YELLOWING

- SABIC® PP FPC70 Impact Copolymer

## LINERS:

HIGH IMPACT & GOOD CHEMICAL RESISTANCE

- CYCOLAC™ Resin (ABS) GRM2600L\*\*\*

## DRAWERS:

LOW TEMPERATURE RESISTANCE

- CYCOLAC™ Resin (SAN) INP576

## DOOR HANDLE

ELECTROPLATING, WHITE & METALLIC COLOR

- CYCOLOY™ Resin (PC/ABS) CP8320 & MC1300
- CYCOLAC™ Resin (ABS) MG47(F)(HU)\*\*\* & MG94(F)

## ICE-DISPENSER

FOOD CONTACT & LOW TEMPERATURE  
IMPACT RESISTANT

- LEXAN™ Resin (PC) 144R

## PCB COVER

NON BR, NON CL FR, UL746H

- CYCOLOY™ FR Resin (PC/ABS) C6600  
- V0 at 1,5mm

HYDRO STABLE & IEC60335\*

- CYCOLOY™ FR Resin (PC/ABS) CY6110\*\* & C6600  
- V0 at 1,5mm

## COMPRESSOR RELAY COVER

UL746C, RTI COMPLIANCE

- VALOX™ FR Resin (PBT 30% GF) 420SE0  
- V0 at 0.71 mm

IEC60335\*

- VALOX™ FR Resin (PBT 35% GF/MF) 771  
- V0 at 0.75 mm

## COMPRESSOR INSIDE SILENCERS

CHEMICAL RESISTANCE

- VALOX™ Resin (PBT 30% GF) 4031 & 420

## INNER LIGHTING

TAPE LIGHT APPLICATION

- LEXAN™ Resin (PC) 141R

HIGH FLOW & UV RESISTANCE

- LEXAN™ Resin (PC) 223R  
- V2 at 0.75mm

\* Material is a potential candidate for applications requiring IEC60335 compliance, a standard that ensures even better fire protection in unattended electrical household appliances. (GWIT 775°C, GWFI 850°C). Customers would need to have their parts certified to IEC60335

\*\* Material not available in Americas

\*\*\* Material not available in Europe

UL746C - Standard for Polymeric Materials - Use in Electrical Equipment Evaluations  
UL746H - Non-Halogenated Materials

# Dishwashers

## INNER PARTS / BASE PLATE

HEAT RESISTANCE, HYDROSTABILITY  
& EXCELLENT CHEMICAL RESISTANCE

- SABIC® PP Compound 1030D 30% Talc

## ENCLOSURES, COMPONENTS

GOOD PROCESSABILITY, LOW WARPAGE  
& RTI COMPLIANCE HOMOPOLYMER

- SABIC® PP 576P General Purpose
- SABIC® PP 5707N Higher Stiffness

## MOTOR / SENSORS & CONNECTORS

RTI COMPLIANCE & FLAME RETARDANT, UL746C

- VALOX™ FR Resin (PBT 30% GF) 420SE0  
- V0 at 0.71 mm

IEC60335\*

- VALOX™ FR Resin (PBT 35% GF/MF) 771  
- V0 at 0.75 mm

## TRANSMISSION / GEARS

DIMENSIONAL STABILITY

- SABIC® POM Resin 90S

## PCB COVER / ELECTRICAL COMPONENTS

NON BR, NON CL FLAME RETARDANT,  
UL746H & HYDRO STABLE

- CYCOLOY™ FR Resin (PC/ABS) C6600  
- V0 at 1,5mm

HYDRO STABLE & IEC60335\*

- CYCOLOY™ FR Resin (PC/ABS) CY6110\*\* and C6600  
- V0 at 1,5mm

## INNER LIGHTING

HEAT RESISTANCE, HYDROSTABILITY,  
BIOCOMPATIBLE & GOOD CHEMICAL  
RESISTANCE

- XYLEX™ Resin (PC/Polyester) X7509HP

## EXTERNAL LIGHTING DIFFUSION & TRANSPARENCY

GOOD PROCESSABILITY,  
5 DIFFUSION LEVELS & UV RESISTANCE

- LEXAN™ Resin (PC) LUX2114G\*\*

HIGH FLOW & UV RESISTANCE

- LEXAN™ Resin 223R  
- V2 at 0.75 mm

LIGHT BARS & GWFI 850°C COMPLIANT

- LEXAN™ Resin (PC) XLS1110

## EXTERIOR / HOUSINGS, FASCIA, ENCLOSURES

HIGH AESTHETICS

- CYCOLAC™ Resin (ABS) MG47(F)(HU)\*\*\*,  
MG94(U) and MG94(F)

HIGH AESTHETICS & HIGH HEAT

- CYCOLOY™ Resin (PC/ABS) C1200HF



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UL746H - Non-Halogenated Materials



# Washing Machines

## Front Loading



### OUTER TUB HIGH MODULUS

- SABIC® PP Compound (PP/SGF) G3230A
- STAMAX™ Resin (PP/LGF) 20YM240

### PCB COVER / ELECTRICAL COMPONENTS NON BR, NON CL FLAME RETARDANT, UL746H & HYDRO STABLE

- CYCOLOY™ FR Resin (PC/ABS) C6600  
- V0 at 1,5mm

### HYDRO STABLE & IEC60335\*

- CYCOLOY™ FR Resin (PC/ABS) CY6110\*\* and C6600  
- V0 at 1,5mm

### MOTOR / SENSORS & CONNECTORS RTI COMPLIANCE & FLAME RETARDANT, UL746C

- VALOX™ FR Resin (PBT 30% GF) 420SE0  
- V0 at 0.71 mm

### IEC60335\*

- VALOX™ FR Resin (PBT 35% GF/MF) 771  
- V0 at 0.75 mm

### TRANSMISSION / GEARS DIMENSIONAL STABILITY

- SABIC® POM Resin 90S
- SABITAL™ Glass Fiber Reinforced POM Resin 90GV30

### DETERGENT CASE & START BUTTON AESTHETICS & RECYCLABLE SOLUTION TO REPLACE ABS

- SABIC® PP PPA20 High Gloss Impact Copolymer  
IMPACT COPOLYMER
- SABIC® PP FPC FLOWPACT FPC70 & FPC45

### EXTERNAL LIGHTING DIFFUSION & TRANSPARENCY GOOD PROCESSABILITY, 5 DIFFUSION LEVELS & UV RESISTANCE

- LEXAN™ Resin (PC) LUX2114G\*\*

### HIGH FLOW & UV RESISTANCE

- LEXAN™ 223R Resin  
- V2 at 0.75mm

### LIGHT BARS & GWFI 850°C COMPLIANT

- LEXAN™ Resin (PC) XLS1110

### INNER LIGHTING HIGH HEAT, HYDROSTABILITY, BIOCOMPATIBLE & GOOD CHEMICAL RESISTANCE

- XYLEX™ Resin (PC/Polyester) X7509HP

### CONTROL PANEL WATER CLEAR & WEATHERABILITY

- SABIC® PMMA Resin 20HR & PMMA 23SP

### EXTERNAL HOUSING HIGH AESTHETICS

- CYCOLAC™ Resin (ABS) MG47(F)(HU)\*\*\*\*, MG94(U), MG94(F)

### HIGH AESTHETICS & HIGH HEAT

- CYCOLOY™ Resin (PC/ABS) C1200HF

### HOUSING DECORATION

#### ELECTROPLATING & METALLIC EFFECT

- CYCOLAC™ Resin (ABS) MG37EPX\*\*\*\*

#### ELECTROPLATING & HIGH HEAT RESISTANCE

- CYCOLOY™ Resin (PC/ABS) MC1300
- CYCOLOY™ Resin (PC/ABS) CP8320 \*\*\*

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\*\* Material not available in Americas

\*\*\* CYCOLOY CP8320 is the European offset of MC1300

\*\*\*\* Material not available in Europe

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UL746H - Non-Halogenated Materials

# Washing Machines

Top Loading



## DOOR LID

### WATER CLEAR

- LEXAN™ Resin (PC) HF1110R

### CHEMICAL RESISTANCE & UV RESISTANCE

- XYLEX™ Resin (PC/PET) X7519 & X7507

## TOP COVER

### UV STABILITY

- CYCOLOY™ Resin (PC/ABS) MG47U, MG94U

## AGITATOR

### HIGH MODULUS

- SABIC® PP Compound (PP/SGF) G3230A

## EXTERNAL HOUSING

### AESTHETICS

- SABIC® PP PPA20 High Gloss Impact Copolymer

### HIGH FLOW

- SABIC® PP 511MK40T
- SABIC® PP 511MK46

## PCB COVER

### FLAME RETARDANT, NON-CHLORINATED AND NON-BROMINATED

- CYCOLOY™ FR Resin (PC/ABS) C6600

## BASE

### HIGH FLOW & LOW WARPAGE

- SABIC® PP 511MK40T
- SABIC® PP 511MK46
- SABIC® PP 87MK40T

## BALL BALANCER

### DURABILITY & IMPACT

- SABIC® PP 95MK40T
- SABIC® PP 64M40T

## OUTER TUB

### HIGH FLOW

- SABIC® PP 511MK40T
- SABIC® PP 511MK46

## WASHING MACHINE PULSATOR & ROLLERS

### DIMENSIONAL STABILITY

- SABITAL™ Glass Fiber Reinforced POM Resin  
90GV30, 90GV20
- SABIC® PP 87MK40T

# Vacuum Cleaners



## EXTERNAL HOUSING AND TOP COVER AESTHETICS

- CYCOLAC™ Resin (ABS) MG47(F)(U)(HU)\*\*\*

## AESTHETICS STYRENICS-FREE SOLUTION IMPACT COPOLYMER

- SABIC® PP PPA20 High Gloss Impact Copolymer

## TRANSPARENCY AND CHEMICAL RESISTANCE

- XYLEX™ Resin (PC/PET) X7509HP & X7519

## DUST BIN

### WATER CLEAN, IMPACT & UV RESISTANCE

- LEXAN™ Resin (PC) 123R
- LEXAN™ Resin (PC) 143R

## WHEEL COVER

### IMPACT RESISTANT, CHEMICAL & WEATHERABLE RESISTANCE

- XENOY™ Resin (PBT/PC) 5220U

### IMPACT RESISTANT & UV RESISTANT

- LEXAN™ Resin (PC) 141R & 143R

## LIGHTING DIFFUSION & TRANSPARENCY

### GOOD PROCESSABILITY, 5 DIFFUSION LEVELS & UV RESISTANCE

- LEXAN™ Resin (PC) LUX2114G\*\*

### HIGH FLOW & UV RESISTANCE

- LEXAN™ Resin (PC) 223R  
- V2 at 0.75mm

### LIGHT BARS & GWFI 850°C COMPLIANT

- LEXAN™ Resin (PC) XLS1110

## BRUSH HEAD

### TRANSPARENT, IMPACT, HIGH HEAT

- LEXAN™ Resin (PC) 141R & 121R

### CHEMICAL RESISTANCE

- XENOY™ Resin (PBC/PBT) 1102

## STEAM PIPE JOINT

### HIGH HEAT & FLAME RETARDANT, IEC60335\*

- LEXAN™ FR Resin (PC) 945

## MOTOR / PUMPS / COMPONENTS

### RTI COMPLIANCE & FLAME RETARDANT, UL746C

- VALOX™ FR Resin (PBT 30% GF) 420SEO  
- V0 at 0.71 mm

## ELECTRICAL COMPONENTS / SENSORS & CONNECTORS

### IEC60335\*

- VALOX™ FR Resin (PBT 35% GF/MF) 771  
- V0 at 0.75 mm

## TRANSMISSION / GEARS

### DIMENSIONAL STABILITY

- SABIC® POM Resin 90S

## BASE / FLOOR NOZZLES

### IMPACT & STIFFNESS / IMPACT COPOLYMERS

- SABIC® PP 58MNK10 High stiffness
- SABIC® PP PHC26 & PHC27 High Impact
- SABIC® PP 48M40 & 56M10 General Purpose

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\*\* Material not available in Americas

\*\*\* Material not available in Europe

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# SMALL APPLIANCES



# Small Food and Non-Food Appliances



## EXTERIOR / HOUSING, FASCIA, ENCLOSURES AESTHETICS & SCRATCH RESISTANCE

- SABIC® PP PPA20 High Gloss Impact Copolymer  
**AESTHETICS & TRANSPARENCY**

- SABIC® PP QR674K Random Copolymer  
**GOOD PROCESSABILITY & GOOD IMPACT**

- SABIC® PP 511MK40T

## HIGH AESTHETICS & HIGH HEAT

- CYCOLOY™ Resin (PC/ABS) C1200HF

## HIGH AESTHETICS

- CYCOLAC™ Resin (ABS) MG47(F)(U)(HU)\*\*\*\*, MG94(U), MG94(F)

## FOOD PROCESSOR & ELECTRONIC HOUSING TRANSPARENCY & HIGH IMPACT RESISTANCE

- LEXAN™ Resin (PC) 141R & 143R

## FOOD CONTACT & COLOR OPTIONS

- LEXAN™ Resin (PC) 144R

## HOUSING DECORATION

### ELECTROPLATING & METALLIC EFFECT

- CYCOLAC™ Resin (ABS) MG37EPX\*\*\*\*

### ELECTROPLATING & HIGH HEAT RESISTANCE

- CYCOLOY™ Resin (PC/ABS) MC1300, CP8320\*\*\*

## LIGHTING DIFFUSION & TRANSPARENCY GOOD PROCESSABILITY, 5 DIFFUSION LEVELS & UV RESISTANCE

- LEXAN™ Resin (PC) LUX2114G\*\*

## HIGH FLOW & UV RESISTANCE

- LEXAN™ Resin 223R  
- V2 at 0.75mm

## LIGHT BARS & GWFI 850°C COMPLIANT

- LEXAN™ Resin (PC) XLS1110

## LIGHTING

### HEAT RESISTANCE, HYDROSTABILITY, BIOCOMPATIBLE & GOOD CHEMICAL RESISTANCE

- XYLEX™ Resin (PC/Polyester) X7509HP

### HIGH TRANSPARENCY & UV RESISTANCE

- LEXAN™ Resin (PC) 143R

## EXTERIOR & INTERIOR/HANDLES, SPOTLIGHTS, HOUSINGS AND TOUCH SCREENS

### HEAT RESISTANCE & EXCELLENT SURFACE FINISH

- VALOX™ Resin (PBT/PET 15% GF) 815
- VALOX™ Resin (PBT/PET 30% GF) 830

### WATER CLEAR

- SABIC® PMMA Resin 20HR, 17OP

## MOTOR / SENSORS & CONNECTORS

### RTI COMPLIANCE & FLAME RETARDANT, UL746C

- VALOX™ FR Resin (PBT 30% GF) 420SE0  
- V0 at 0.71 mm

### IEC60335\*

- VALOX™ FR Resin (PBT 30% GF/MF) 771  
- V0 at 0.75 mm

## INTERNAL COMPONENTS

### CHEMICAL RESISTANCE, GOOD PROCESSABILITY & RTI COMPLIANCE - HOMOPOLYMER

- SABIC® PP 576P General Purpose
- SABIC® PP 5707N Higher Stiffness

## ELECTRICAL | PCB COVER

### NON BR, NON CL FLAME RETARDANT, UL746H & HYDRO STABLE

- CYCOLOY™ FR Resin (PC/ABS) C6600  
- V0 at 1,5mm

### HYDRO STABLE & IEC60335\*

- CYCOLOY™ FR Resin (PC/ABS) CY6110\*\*  
- V0 at 1,5mm

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\*\* Material not available in Americas

\*\*\* CYCOLOY CP8320 is the European offset of MC1300

\*\*\*\* Material not available in Europe

# Coffee Machines



## LIGHTING DIFFUSION & TRANSPARENCY

### GOOD PROCESSABILITY, 5 DIFFUSION LEVELS & UV RESISTANCE

- LEXAN™ Resin (PC) LUX2114G\*\*

### HIGH FLOW & UV RESISTANCE

- LEXAN™ Resin (PC) 223R  
- V2 at 0.75mm

### LIGHT BARS & GWFI 850°C COMPLIANT

- LEXAN™ Resin (PC) XLS1110

## EXTERNAL HOUSING & DISPLAYS

### AESTHETICS STYRENICS-FREE SOLUTION

- SABIC® PP PPA20 High Gloss Impact Copolymer

### AESTHETICS

- CYCOLAC™ Resin (ABS) MG47F

### WATER CLEAR

- SABIC® PMMA Resin 20HR, 170P

### CHEMICAL RESISTANCE, GOOD PROCESSABILITY & RTI COMPLIANCE - HOMOPOLYMER

- SABIC® PP 576P General Purpose
- SABIC® PP 5707N Higher Stiffness

## ELECTRICAL /

### PCB COVER

### NON BR, NON CL FR, FLAME RETARDANT, UL746H & HYDRO STABLE

- CYCOLOY™ FR Resin (PC/ABS) C6600  
- V0 at 1,5mm

## ELECTRICAL COMPONENTS /

### SENSORS & CONNECTORS

### IEC60335\*

- VALOX™ FR Resin (PBT 35% GF/MF) 771  
- V0 at 0.75 mm

## MOTOR | COMPONENTS

### UL746C, RTI COMPLIANCE

### FLAME RETARDANT

- VALOX™ FR Resin (PBT 30% GF) 420SE0  
- V0 at 0.71 mm

## INTERNAL CHASSIS

### STIFFNESS & FLAME RETARDANT

- LEXAN™ FR Resin (PC 20% GF) 3412ECR  
- V0 at 1.5 mm

## COFFEE MAKER INTERNAL PARTS

### PCB COVER / COMPONENTS

### NON BR, NON CL FLAME RETARDANT, UL746H & HYDRO STABLE, IEC60335\*

- CYCOLOY™ FR Resin (PC/ABS) CY6110\*\* and C6600  
- V0 at 1,5mm

## COFFEE MAKER PARTS

### WATER & FOOD CONTACT

- LEXAN™ Resin (PC) 144R

## COFFEE MAKER HOUSING

### HIGH HEAT

- LEXAN™ Resin (PC) 241R

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\*\* Material not available in Americas  
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UL746H - for Non-Halogenated Materials

# Microwave Ovens

**DOOR FRAME (OUTSIDE)**  
**HIGH IMPACT, HIGH HEAT & SURFACE GLOSS**  
• LEXAN™ Resin (PC) 141R

**DOOR HANDLE**  
**HIGH FLOW, NON-CHLORINATED AND NON-BROMINATED**  
• LEXAN™ FR Resin (PC) 925  
**EXCELLENT SURFACE FINISH & GLOSS**  
• VALOX™ Resin (PBT) 815

**CONTROL PANEL & TOUCH SCREEN**  
**HIGH HEAT & SURFACE GLOSS**  
• LEXAN™ Resin (PC) 141R  
**WATER CLEAR**  
• SABIC® PMMA Resin 20HR, 17OP

**KNOBS**  
**ELECTROPLATING & METALLIC COLOR**  
• CYCOLAC™ Resin (ABS) MG37EPX\*

**MICROWAVE DOOR LOCKS & GEARS**  
**DIMENSIONAL STABILITY**  
• SABITAL™ Glass Fiber Reinforced POM Resin 90GV30, 90GV20, 90GV10



**DOOR FRAME (INNER)**  
**HIGH MODULUS & SURFACE GLOSS**  
• VALOX™ Resin (PBT) 815

**OTR VENT GRILL MODULE**  
**HIGH MODULUS & SURFACE GLOSS**  
• VALOX™ Resin (PBT) 815



CONSUMER  
GOODS



The market for consumer goods and lifestyle products is growing rapidly, propelled by an expanding global middle class. The explosion of consumer goods and smart devices in the market is placing unprecedented demands on the materials needed to make these components and products. They need to be safe and sustainable, stylish and durable, light and cost-effective, and of course compliant with industry regulations.

SABIC is committed to be at the forefront of materials innovation to support our customers to address these trends, delivering material technologies that help them adapt to the rapidly growing and evolving global consumer markets.

Our advanced polymer and engineering thermoplastic solutions help manufacturers in the consumer goods and lifestyle industries to create stylish products that meet industry regulations, high-performance and aesthetic requirements whilst maximizing recyclability.

## Suitcases



### SHELL

#### IMPACT AT LOW TEMPERATURE

- LEXAN™ Resin (PC) 103R, 133R & HF1130R
- CYCOLAC™ Resin (ABS) EX58F, DL100 (LG)

#### GOOD PROCESSABILITY & FLOWABILITY

- SABIC® PP FPC FPC45, FPC70 & FPC100

#### HIGH AESTHETICS & SCRATCH RESISTANCE

- SABIC® PP PPA20 High Gloss Impact Copolymer

#### IMPACT AT LOW TEMPERATURE

- SABIC® PP PHC27 & PHC28
- SABIC® PP 90910 & 95610
- SABIC® PP 87MK40T\*

### HANDLES

#### FATIGUE AND SCRATCH RESISTANCE

- CYCOLAC™ Resin (ABS) MG94, DL100

### WHEEL BEARINGS

#### FRICTION RESISTANCE

- SABIC® POM Resin

### WHEEL BRACKETS

#### IMPACT RESISTANCE AT LOW TEMPERATURES

- XENOY™ Resin (PC/PBT) 5220U

# Lawnmowers



## HOUSING, HOODS, DECKS CHEMICAL RESISTANCE, STIFFNESS & GLASS REINFORCED

- SABIC® PP compound HFFR H1015
- STAMAX™ Resin HFFR 30YH515, 30YH530

## HIGH AESTHETICS & IMPACT STRENGTH

- SABIC® PP 95MKT40
- SABIC® PP PHC series, PHC26, PHC27, PHC28
- CYCOLAC™ Resin (ABS) MG47F, MG38U\*
- GELOY™ Resin (PC/ASA) XP7550 and XP4034

## CHEMICAL & UV RESISTANCE, MOLD-IN-COLOR, IMPACT LOW TEMPERATURE DUCTILITY

- XENOY™ Resin (PC/PBT) X5300WX, 5220U, 6620U
- XENOY™ (PC/PBT) Resin HTX950 and X2300WX
- CYCOLAC™ Resin (ABS) MG47(F)
- CYCOLOY™ Resin (PC/ABS) C1200HF

# Power Tools



## MOTOR, FANS, ELECTRICAL HIGH STIFFNESS, SELF LUBRICITY, GOOD TEMPERATURE STABILITY

- SABITAL™ Glass Fiber Compounded POM Resin 90GV10, 90GV20, 90GV30
- VALOX™ Resin (PBT) 325, 215HPR, 420, 4031, 337; FR-PP

## GUARDS, CARTRIDGES, COVERS, LED LIGHTING

- LEXAN™ Resin (PC) 123R, 143R, 123M, 223M

## HOUSING

### CHEMICAL & UV RESISTANCE, LOW TEMPERATURE DUCTILITY, MOLD-IN-COLOR

- XENOY™ Resin (PC/PBT) X5300WX, 5220U

## BATTERY HOUSING

### NON BROMINATED FR, FLAMMABILITY V-0 AT 1.5MM, HIGH HEAT, MOLD-IN-COLOR, THIN WALL

- CYCOLOY™ Resin (PC/ABS) CY6310, C2950, C3650
- Non-halogenated FR SABIC® PP Compounds
- LEXAN™ FR Resin (PC) 925, 945, 955

## CHARGER

### NON BROMINATED FR, FLAMMABILITY V-0 AT 1.0MM, HIGH IMPACT

- LEXAN™ FR Resin (PC) 945

## CONNECTORS, CHARGERS, AND SENSORS

- VALOX™ FR Resin (PBT) GF 30% 420SEO

## POWER TOOL BOX

### HIGH IMPACT STRENGTH

- PHC Series PHC26 & PHC27

# Child Restraint Systems



## PARTS

### STIFFNESS

- STAMAX™ LGF Resin, 30YK270 - 30%LGF & 40YM240 - 40%LGF

## ACCESSORIES

### AESTHETICS & STIFFNESS

- SABIC® PP 48M10
- SABIC® PP 58MNK10

## BASE

### IMPACT & STIFFNESS

- SABIC® PP PHC series, PHC26 & PHC28

# E-bikes



## AESTHETICS, BALANCE IMPACT RESISTANCE & PROCESSABILITY

- CYCOLAC™ Resin (ABS) MG47F

## FRAME

- STAMAX™ Resin

## BATTERY HOUSING

### NON BROMINATED FR, FLAMMABILITY V-0 AT 1.5MM, HIGH FLOW & GOOD STIFFNESS

- CYCOLOY™ FR Resin (PC/ABS) CY6310, C2950, CY6110
- CYCOLOY™ FR Resin (PC/ABS) C3650, CE3510, C6600
- SABIC® PP compound HFFR H1015, H1025 & H1030
- LEXAN™ FR Resin (PC) 925, 945, 955

## FENDERS

- SABIC® PP PPA20 High Gloss Impact Copolymer
- SABIC® PP 108MF97 & 511MK40T
- XENOY™ Resin (PC/PBT) 5220U

## LIGHTING (LED), CONNECTORS, CHARGERS, SENSORS

- VALOX™ FR Resin (PBT) DR48, 357, 357X

# E-scooters



## HOUSING

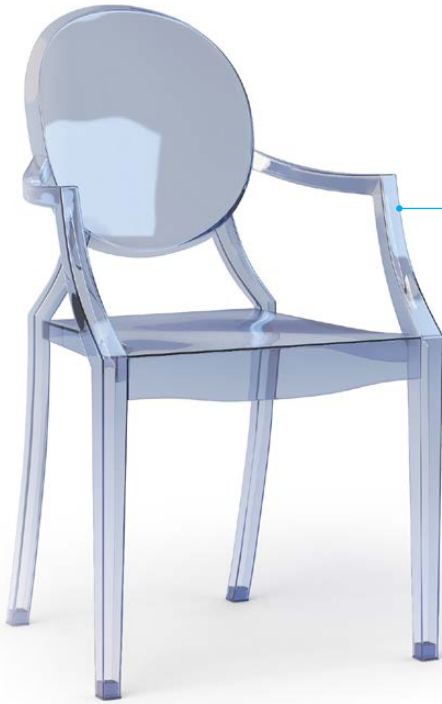
### HALOGEN FREE FR, FLAMMABILITY V-0 AT 1.5MM, IMPACT STRENGTH

- CYCOLOY™ Resin (PC/ABS) CY6310, C2950, CY6110
- CYCOLOY™ Resin (PC/ABS) C3650, CE3510, C6600
- SABIC® PP compound HFFR H1015, H1025 & H1030

## FENDERS

- SABIC® PP 108MF97
- XENOY™ Resin (PC/PBT) 5220U

# Furniture



## CHAIRS

**TRANSPARENCY, AESTHETICS  
HIGH IMPACT RESISTANCE, STIFFNESS**

- LEXAN™ Resin (PC) 103R, 143R

## OPAQUE MATERIAL WITH EASY PROCESSING

- SABIC® PP homopolymer PP 576P & FPH50
- SABIC® PP Impact copolymers
  - SABIC® PP 48M10, 58MNK10, PPA20 High Gloss Impact Copolymer
- SABIC® PP compounds:
  - Mineral filler & Short glass fiber
- STAMAX™ Resin (40% LGF) long glass fiber
- CYCOLAC™ Resin (ABS) EX58F
- VALOX™ Resin (PBT) 815

# Durable Household Containers



**REPEATED USABILITY, TRANSPARENCY,  
WITH HIGH PURITY FOR CONSUMER SAFETY**

- SABIC® PP QRYSTAL Random Copolymer
  - QR674K & QR6711K

**HIGH STIFFNESS HOMOPOLYMER  
& HIGH HEAT RESISTANCE**

- SABIC® PP FPH50



## Baby Bottles



**TRANSPARENCY, AESTHETICS,  
FOOD SAFETY STANDARD COMPLIANCE**

- SABIC® PP QRYSTAL Random Polymer  
QR673K & QR6731K

## Straws



**REUSABILITY, RECYCLABILITY VS. SINGLE-USE  
VERSION, COMPLIANCE WITH CERTAIN FOOD  
SAFETY STANDARDS**

- SABIC® PP QRYSTAL Random Polymer  
– QR674K - QR673K

The product can be delivered as certified circular polymer version from SABIC's TRUCIRCLE™ portfolio and services.



## Dispensers & Hand Sanitizers

**EXTERIOR / HOUSING, FASCIA, ENCLOSURES  
AESTHETICS & SCRATCH RESISTANCE**

- SABIC® PP PPA20 High Gloss Impact Copolymer

**AESTHETICS & IMPACT STRENGTH**

- CYCOLAC™ Resin (ABS) MG47

**TRANSPARENCY, UV STABILIZED  
& HIGH IMPACT RESISTANCE**

- LEXAN™ Resin (PC) 123R, 143R



## Toileteries

**RAZOR AND TOOTHBRUSH**

**GOOD ANTISTATIC PERFORMANCE  
& COST EFFICIENT PROCESSING**

- SABIC® PP FPH50 homopolymer

## Toys



**GOOD PROCESSABILITY,  
IMPACT RESISTANCE, STIFFNESS**

- SABIC® PP 95MK40 & 87MK40T
- SABIC® PP 58MKN10 & 57MKN10

**GOOD PROCESSABILITY, STIFFNESS**

- SABIC® HDPE CC2056 & M200056

**HIGH GLOSS, STIFFNESS & CHEMICAL RESISTANCE**

- CYCOLAC™ Resin (ABS) MG47F & MG94F

**HIGH GLOSS STYRENICS-FREE SOLUTION,  
EASY RECYCLABILITY**

- SABIC® PP PPA20 High Gloss Impact Copolymer

**LARGE TOYS – ROTOMOLDING**

**UV STABLE, STIFFNESS & IMPACT RESISTANCE**

- SABIC® LLDPE R50035E

**BLOWN MOLDING**

**GOOD PROCESSABILITY, IMPACT RESISTANCE  
& ESCR RESISTANCE**

- SABIC® HDPE B5429

# Cosmetics



**LIPSTICK CONTAINERS, COMPACTS, FRAGRANCE CAPS, MASCARA CASES AND RODS**

**GOOD PROCESSABILITY, DIMENSIONAL STABILITY, AESTHETICS & CHROME PLATE FINISH**

- CYCOLAC™ Resin (ABS) MG47F, MG38N, MG37EPX\*

**EXCELLENT CHEMICAL RESISTANCE, GOOD RIGIDITY/TOUGHNESS BALANCE, AESTHETICS**

- VALOX™ Resin (PBT) 325FC
- VALOX™ Resin (PBT) HX420HP

**AESTHETICS STYRENICS-FREE SOLUTION, EASY RECYCLABILITY IMPACT COPOLYMER**

- SABIC® PP PPA20 High Gloss Impact Copolymer



**COSMETIC CAPS, HINGE CAPS, PUMPS**  
**HIGH STIFFNESS AND GLOSS**

- SABIC® PP Homopolymer PP 576S, PP 579S, PP 578L

**TRANSPARENT OVERCAPS, COSMETICS CAPS, DISPENSING SYSTEM PARTS, HINGE CAPS**

**VERY GOOD TRANSPARENCY, HIGH GLOSS AND IMPACT RESISTANCE**

- SABIC® PP QRYSTAL Random Polymer QR673K, QR672K & QR674K



**THIN WALL CAPS AND LIDS**

**IMPACT RESISTANCE & FATIGUE PERFORMANCE**

- SABIC® PP FPC70 Impact Copolymer

**COSMETIC CAPS**

**AESTHETICS & SCRATCH RESISTANCE**

- SABIC® PP PPA20 High Gloss Impact Copolymer

**PUMP AND DISPENSING SYSTEM PARTS**

**DIMENSIONAL STABILITY & FATIGUE PERFORMANCE**

- SABIC® PP Impact Copolymer 412MN40

**COSMETICS OVERCAPS**

**STIFFNESS & GLOSS**

- SABIC® HDPE CC2056/M200056

**COSMETICS OVERCAPS, SPOUTS**

**SEALING PERFORMANCE**

- SABIC® HDPE CC3054/M300054

# Tubes



**TUBE SLEEVE / BODY**

**TOUGHNESS & BARRIER PROPERTIES**

- SABIC® HDPE F4520

**TEAR STRENGTH**

- SABIC® LLDPE 118NE

**SOFTNESS AND FLEXIBILITY**

- SABIC® LDPE 2100NO

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