



EXCELLENT PROCESSING PERFORMANCE WITH A WIDE ARRAY OF FLOW AND IMPACT OPTIONS

In addition to its outstanding range of specialty grades, SABIC offers a broad selection of general-purpose Cyclocac™ ABS resins. These highly colorable products offer excellent processing performance and a wide array of flow and impact options. SABIC's general-purpose portfolio offers Cyclocac™ grades designed either for extrusion or injection molding, including grades for medical, food contact, high gloss, low gloss, flame retardant, and other requirements.

CYCOLAC'S™ EXCELLENT IMPACT STRENGTH AND TOUGHNESS MAKE IT IDEAL FOR USE IN SITUATIONS WHERE THE MATERIAL MAY BE SUBJECTED TO HEAVY IMPACT OR STRESS. IT CAN ALSO BE BLENDED WITH OTHER THERMOPLASTICS, SUCH AS POLYCARBONATE, TO CREATE A MATERIAL WITH ENHANCED PROPERTIES, FURTHER EXPANDING ITS VERSATILITY.

CHARACTERISTICS

Cyclocac™ ABS resins are terpolymers that are formed by blending an amorphous thermoplastic copolymer of acrylonitrile (A) and Styrene (S) and an elastomeric component which is usually polybutadiene or a butadiene copolymer (B). The flexibility offered by the use of the three monomer systems allows the property profile to be tailored to meet a broad range of end-use requirements. Characteristics and properties found across the product line include:

- Good low-temperature ductility
- Excellent thermal properties
- Very good processing performance
- Good chemical resistance
- Low shrinkage, low warping
- High dimensional stability
- Good electrical properties
- Good paintability

Automotive and Mobility

Cyclocac's™ excellent impact resistance, durability, and chemical resistance make it a popular choice in the mobility/automotive industry.

Applications include:

- Interior trim
- Instrument panels
- Exterior body parts
- Lighting components
- HVAC components
- Engine and under-the-hood components
- Functional parts and supports
- Aftermarket products





Electronics

Cyclocac™ good flow properties, high heat resistance, and flame retardant properties make it an ideal material for the electronics industry.

Applications include:

- Enclosures and housings
- Computer peripherals
- Electronic devices
- Display panels and bezels
- Consumer electronics
- Audio and speaker systems



Industrial

Cyclocac™ resin is also used in various industrial applications such as housings for power tools, industrial equipment, and appliances. Its excellent impact resistance and durability make it a popular choice for these applications.

Applications include:

- Protective equipment
- Tooling and prototyping
- Pipe fittings
- Housing and enclosures
- Packaging and material handling
- Agricultural equipment and components



Medical

Cyclocac™ resin's high chemical resistance and durability make it a suitable choice for medical applications such as medical device housings and components.

Applications include:

- Medical equipment housing
- Drug delivery devices
- Surgical instruments and handles
- Medical device components
- Rehabilitation and mobility aids

Learn more at nexeoplastics.com/sabic/cyclocac or contact us to request a free sample.

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