ABS

Cycolac® GP 100

SABIC

Position #101 · Jinsutong Reference Catalog 2026

Resin Overview

ABS · General Purpose, High Impact. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	ABS · General Purpose, High Impact
Typical Use	General purpose injection, consumer goods

Key Properties

MFR (220°C/10 kg)	6 g/10min
Density	1.05 g/cm³
Tensile Strength at Yield	45 MPa
Tensile Modulus	2400 MPa
Elongation at Break	25%
Notched Izod Impact (23°C)	25 kJ/m²
HDT (1.8 MPa)	92 °C
Vicat Softening Point	100 °C

Key Features

- General purpose ABS
- High impact strength
- Good dimensional stability
- Easy processing for complex parts

Processing Conditions

Melt Temperature	210-250 °C
Mold Temperature	40-80 °C
Drying	2 h @ 80 °C
Processing Methods	Injection molding

Typical Applications

- Consumer electronics housings
- Toys and games
- Office equipment parts
- Small appliance components

Regulatory & Compliance

- UL 94 HB
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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