

BC05B

Polypropylene Impact Copolymer / High Flow Injection Molding

PRODUCT DESCRIPTION

BC05B is a Polypropylene Impact Copolymer with the characteristic of ultra-high flow ability, high impact resistance at low temperature, and also high stiffness for using in injection molding process.

TYPICAL APPLICATION

- Injection Molding parts
- Automotive parts
- Appliances E&E

PRODUCT FEATURES

- Ultra-high flow ability
- High impact at low temperature
- High stiffness
- High speed injection

COMPLIANCE

- FDA US 21 CFR 177.1520
- Commission Regulation (EU) No. 10/2011
- RoHS
- REACH

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Melt Flow Index (2.16 kg/230 °C)	ASTM D1238	g/10 min	50
Density	ASTM D792	g/cm ³	0.90
Tensile Strength at Yield	ASTM D638	MPa	26
Elongation at Yield	ASTM D638	%	5
Izod Notched Impact Strength (at -20 °C)	ASTM D256	J/m	35
Flexural Modulus (1% SECANT)	ASTM D790	MPa	1300
Rockwell Hardness	ASTM D785	R-Scale	89
Heat Distortion Temperature (0.45 MPa)	ASTM D648	°C	105
Flammability	UL-94	-	HB

Remark: The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitability of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

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PROCESSING TECHNIQUE

Cylinder Temperature: 190 - 240 °C
Mold Temperature : 40 - 60 °C
Injection Pressure : 30 - 80% of maximum pressure
Holding Pressure : Relative to injection pressure
Back Pressure : 0 - 20 of maximum pressure
Injection Speed : Low to medium of maximum speed

*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

PRODUCT PACKAGING

- 25 kg loose bag

STORAGE

Storage in 20 - 80% relative humidity at ambient temperature preferably not higher than 38 °C (100 °F).

Dry environment with the exclusion of contamination.

Protection against direct sunlight, radiation and artificial light containing UV-Radiation.

Protection from ozone-generating electrical devices.

Under these optimal conditions, the physical properties of resins should remain stable with the exception of the yellowness index which is expected to increase over time.

More information provide in safety data sheet.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.