POLIMAXX BC05B

IRPC Public Company Limited - *Polypropylene Impact Copolymer*

General Information

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.

PRODUCT FEATURES:

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

TYPICAL APPLICATION:

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

COMPLIANCE:

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

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Flow • High Stiffness	• Impact Copolymer • Low Temperature Impact Resistance	
Uses	• Appliances	• Automotive Applications	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	3770	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant	189000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (-4°F)	0.66	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	89		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	221	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	374 to 464	°F
Middle Temperature	374 to 464	°F

Front Temperature	374 to 464 °F
Mold Temperature	104 to 140 °F
Injection Rate	Slow-Moderate

Notes

[1] Typical properties: these are not to be construed as specifications.