Toughblend® PP-1450

Polypropylene Copolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PP-1450 is a glass fiber reinforced coupled polypropylene copolymer compound. It's offering high rigidity and high heat deflection temperatures along with very good creep resistance.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled Copolymer Good Creep Resistance High Heat Resistance High Impact Resistance High Rigidity		
Uses	Automotive Applications Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.70	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	63.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	2850	MPa	ASTM D790
Flexural Strength	89.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	155	°C	
1.8 MPa, Unannealed, 4.00 mm	137	°C	
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.60 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100	°C	
Drying Time	2.0 to 4.0	hr	

Rear Temperature	190 to 200	°C
Middle Temperature	200 to 210	°C
Front Temperature	210 to 220	°C
Nozzle Temperature	220 to 230	°C
Processing (Melt) Temp	190 to 230	°C
Mold Temperature	60.0 to 70.0	°C

Recommended distributors for this material

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