

Toughblend® PP-1201

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PP-1201 is a glass fiber and mineral filled coupled polypropylene compound. It's offering high mechanical and heat deflection temperatures along with very good dimensional stability properties.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight Mineral,10% Filler by Weight		
Features	Chemically Coupled Good Dimensional Stability High Heat Resistance		
Uses	Automotive Applications Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.0	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	3700	MPa	ASTM D790
Flexural Strength	81.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	67	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	131	°C	ASTM D648
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

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