Toughblend® PA6-1300

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PA6-1300 is a glass fiber reinforced compound. this grade offer balanced heat resistance, rigidity and toughness to meet various application needs.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Toughness		
	High Heat Resistance		
	High Rigidity		
	Oil Resistant		
Uses	Automotive Applications		
	Gears		
	Housings		
	Wheels		
Forms	Pellets		
Processing Method	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.70	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	130	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	4800	MPa	ASTM D790
Flexural Strength	185	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	198	°C	ASTM D648

Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94

Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	250 to 260	°C	
Middle Temperature	260 to 265	°C	

Front Temperature	265 to 275		°C
Nozzle Temperature	275 to 280		°C
Processing (Melt) Temp	250 to 280		°C
Mold Temperature	60.0 to 90.0		°C

Recommended distributors for this material

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