

Toughblend® PA6-1600

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PA6-1600 is a glass fiber reinforced compound. This grade offers low temperature, good impact resistance and stiffness, good dimensional stability with additional weather resistance properties.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Abrasion Resistance		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	Good Weather Resistance		
	Low Temperature Impact Resistance		
	Oil Resistant		
Uses	Automotive Applications		
	Housings		
	Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	180	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8450	MPa	ASTM D790
Flexural Strength	265	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	200	°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

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Recommended distributors for this material

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