

Toughblend® AS-1400

Acrylonitrile Styrene Copolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® AS-1400 is a medium flow glass fiber reinforced compound characterized by good mechanical and high stiffness properties.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	High Stiffness		
	Medium Flow		
Uses	Electrical/Electronic Applications		
	Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	105	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	7400	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	98.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	230 to 235	°C	
Middle Temperature	235 to 245	°C	
Front Temperature	245 to 255	°C	
Nozzle Temperature	255 to 260	°C	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	85.0 to 110	°C	

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