

Toughblend® ABS-1400

Acrylonitrile Butadiene Styrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® ABS-1400 is a medium flow and good rigidity and good impact compound. The addition of fillers further enhanced its dimensional stability for parts requiring tight dimension tolerance.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	High Rigidity		
	Medium Flow		
Uses	Business Equipment		
	Electrical/Electronic Applications		
	Housings		
	Printer Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	88.0	MPa	ASTM D638
Tensile Elongation (Break)	1.8	%	ASTM D638
Flexural Modulus	5750	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	100	°C	
1.8 MPa, Unannealed, 4.00 mm	98.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	220 to 225	°C
Middle Temperature	225 to 235	°C
Front Temperature	235 to 245	°C
Nozzle Temperature	245 to 250	°C
Processing (Melt) Temp	220 to 250	°C
Mold Temperature	70.0 to 80.0	°C

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Recommended distributors for this material

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