

# Toughblend® ABS-1600

Acrylonitrile Butadiene Styrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® ABS-1600 is a glass fiber reinforced compound characterized by good impact and good rigidity properties.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Impact Resistance		
	High Rigidity		
Uses	Business Equipment		
	Electrical/Electronic Applications		
	Housings		
	Printer Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	8300	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	115	°C	ASTM D648
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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