

# Toughblend® PA66-1303

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® Pa66-1303 is a glass fiber reinforced and barium sulphate filled compound provide good mechanical and dimensional stability properties.

General Information			
Filler / Reinforcement	Barium Sulfate,21% Filler by Weight		
	Glass Fiber,17% Filler by Weight		
Features	Good Dimensional Stability		
Uses	Automotive Applications		
	Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	94.0	MPa	ASTM D638
Tensile Elongation (Break)	5.2	%	ASTM D638
Flexural Modulus	5120	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	236	°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 8.0	hr	
Rear Temperature	275 to 280	°C	
Middle Temperature	280 to 285	°C	
Front Temperature	285 to 290	°C	
Nozzle Temperature	290 to 295	°C	
Processing (Melt) Temp	275 to 295	°C	
Mold Temperature	70.0 to 100	°C	

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