

# Toughblend® PA66-1300

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PA66-1300 is a glass fiber reinforced compound characterized by good thermal aging resistance and good dimensional stability properties.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Dimensional Stability		
	Good Thermal Aging Resistance		
	Semi Rigid		
Uses	Automotive Applications		
	Housings		
	Industrial Parts		
	Printer Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	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	135	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	6100	MPa	ASTM D790
Flexural Strength	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	58	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	255	°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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

