

Toughblend® PA6-1900B

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PA6-1900B is a glass fiber reinforced compound which is a great alternation to metal replacement application. This grade offers superb high impact strength, excellent stiffness, high heat resistance with good wear resistance properties.

General Information			
Filler / Reinforcement	Glass Fiber,55% Filler by Weight		
Features	Good Wear Resistance		
	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
Uses	Automotive Applications		
	Fishing Applications		
	Fittings		
	Industrial Parts		
	Metal Replacement		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	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	232	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	15000	MPa	ASTM D790
Flexural Strength	348	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	410	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	212	°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 6.0	hr	
Rear Temperature	250 to 260	°C	

Middle Temperature	260 to 265	°C
Front Temperature	265 to 275	°C
Nozzle Temperature	275 to 280	°C
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60.0 to 90.0	°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

