

Toughblend® PA66-1900

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Toughblend® PA66-1900 is a glass fiber reinforced compound offering high mechanical and thermal properties for high end product application.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	High Impact Resistance		
Uses	Automotive Applications		
	Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	220	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	12000	MPa	ASTM D790
Flexural Strength	350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	265	°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



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