

FRblend® PA66-1301

Polyamide 66

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PA66-1301 is 25% glass fiber reinforced, flame retardant polyamide 66 compound. This grade offers ignition resistance, balance of strength and excellent processing.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Good Strength		
	Ignition Resistant		
Uses	Automotive Applications		
	Connectors		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.60	%	ASTM D955
Water Absorption (24 hr)	1.4	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12200	MPa	ASTM D638
Tensile Strength	165	MPa	ASTM D638
Tensile Elongation (Break)	2.2	%	ASTM D638
Flexural Modulus	8690	MPa	ASTM D790
Flexural Strength	239	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	94	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	250	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	230 to 240	°C
Middle Temperature	240 to 250	°C
Front Temperature	250 to 260	°C
Nozzle Temperature	260 to 270	°C
Mold Temperature	80.0 to 100	°C

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Recommended distributors for this material

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