

FRblend® PA6-1301

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PA6-1301 is mineral and glass fiber reinforced, flame retardant polyamide compound. This grade offers excellent flame retardancy with balanced mechanical properties and heat resistance.

General Information			
Filler / Reinforcement	Glass\Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	High Heat Resistance		
Uses	Automotive Applications		
	Connectors		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 1.0	%	ASTM D955
Water Absorption (24 hr)	1.4	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8300	MPa	ASTM D638
Tensile Strength	85.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	7100	MPa	ASTM D790
Flexural Strength	129	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	87	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	169	°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	220 to 230	°C	
Middle Temperature	230 to 240	°C	

Front Temperature	240 to 250	°C
Nozzle Temperature	250 to 260	°C
Mold Temperature	80.0 to 100	°C

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Recommended distributors for this material

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