

FRblend® PA6-1306

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PA6-1306 is 30% glass fiber filled, halogen-free flame retardant polyamide compound. This grade offers excellent flame retardancy with balanced high mechanical properties suitable for the construction of electrical devices with applications in high voltage condition.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Halogen Free		
	High Impact Resistance		
Uses	Automotive Applications		
	Connectors		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	1.4	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8100	MPa	ASTM D638
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6800	MPa	ASTM D790
Flexural Strength	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	180	°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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