

FRblend® PA6-1302

Polyamide 6

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PA6-1302 is 30% glass fiber reinforced, flame retardant polyamide compound. This grade offers heat stability and excellent flame retardancy.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	153	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Modulus	9110	MPa	ASTM D790
Flexural Strength	226	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	196	°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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