

FRblend® PC-1309

Polycarbonate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PC-1309 is 15% glass fiber reinforced, flame retardant polycarbonate compound. The flame retardant system is based on brominated flame retardant. This grade offers excellent impact resistance, good dimensional stability, high heat resistance and good surface.

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Additive	Flame Retardant		
Features	Brominated		
	Flame Retardant		
	Good Dimensional Stability		
	Good Surface Finish		
	High Heat Resistance		
	High Impact Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7360	MPa	ASTM D638
Tensile Strength	92.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	142	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	120	°C
Drying Time	4.0	hr
Rear Temperature	270 to 280	°C
Middle Temperature	280 to 290	°C
Front Temperature	290 to 300	°C
Nozzle Temperature	290 to 300	°C
Mold Temperature	80.0 to 120	°C

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Recommended distributors for this material

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