

FRblend® PP-1308

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PP-1308 is an easy flow, flame retardant polypropylene mineral filled compound. The flame retardant system is base on halogenated hydrocarbon compounds.

General Information			
UL YellowCard	E316349-100578005		
Filler / Reinforcement	Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flow		
	Good Impact Resistance		
	Halogenated		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.1 to 1.3	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638
Tensile Strength	28.0	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2220	MPa	ASTM D790
Flexural Strength	48.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	128	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	

Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	180 to 190	°C
Middle Temperature	190 to 200	°C
Front Temperature	200 to 210	°C
Nozzle Temperature	210 to 220	°C
Mold Temperature	60.0 to 80.0	°C

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