

FRblend® PP-1303

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PP-1303 is a high flow, flame retardant polypropylene compound. The flame retardant system is base on halogenated hydrocarbon compounds.

General Information			
UL YellowCard	E316349-100578005		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
	High Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.4	%	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1330	MPa	ASTM D638
Tensile Strength	26.0	MPa	ASTM D638
Tensile Elongation (Break)	38	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790
Flexural Strength	41.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	28	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	109	°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	190 to 200	°C
Nozzle Temperature	200 to 210	°C
Mold Temperature	30.0 to 60.0	°C

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