

FRblend® PP-1313

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PP-1313 is an easy flow, halogen-free flame retardant homopolymer polypropylene compound characterized by low smoke development and good processability.

General Information			
UL YellowCard	E316349-100578005		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flow		
	Good Processability		
	Halogen Free		
	Homopolymer		
	Low Smoke Emission		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.80 to 1.1	%	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength	27.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	1630	MPa	ASTM D790
Flexural Strength	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	130	°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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Recommended distributors for this material

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