

# FRblend® PP-1305

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PP-1305 is a medium flow, glass and mineral filled, flame retardant polypropylene compound. The flame retardant system is base on halogenated hydrocarbon compounds.

General Information			
UL YellowCard	E316349-100578005		
Filler / Reinforcement	Glass\Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Toughness		
	Halogenated		
	High Rigidity		
	Medium Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11800	MPa	ASTM D638
Tensile Strength	65.0	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	7400	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	148	°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	30.0 to 60.0	°C

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#### Recommended distributors for this material

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