

# FRblend® PP-1309

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PP-1309 is a low flow, glass and mineral filled, flame retardant polypropylene mineral filled compound. This grade offers high rigidity, high toughness and good dimensional stability.

General Information			
UL YellowCard	E316349-100578005		
Filler / Reinforcement	Glass\Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Toughness		
	High Rigidity		
	Low Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10100	MPa	ASTM D638
Tensile Strength	55.0	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	7940	MPa	ASTM D790
Flexural Strength	88.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	140	°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

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Recommended distributors for this material

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