

FRblend® PP-1501

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PP-1501 is a low flow, flame retardant polypropylene compound comply with UL94 V-2 flammability rating.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Low Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	23.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	865	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	630	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	88.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	182 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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Recommended distributors for this material

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