

# FRblend® PP-1503

Polypropylene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PP-1503 is a high flow, mineral filled, flame retardant polypropylene compound comply with UL94 V-2 flammability rating at 1.6mm thickness. It can be colored to meet stringent aesthetic requirements.

General Information			
Filler / Reinforcement	Mineral		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Colorability		
	High Flow		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.60 to 1.0	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	26.0	MPa	ASTM D638
Tensile Elongation (Break)	59	%	ASTM D638
Flexural Modulus	1120	MPa	ASTM D790
Flexural Strength	36.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	103	°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	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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