

# FRblend® PP-2301

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PP-2301 is a medium flow, halogen-free flame retardant, homopolymer compound characterized by low smoke and good processability.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
	Homopolymer		
	Low Smoke Emission		
	Medium Flow		
Uses	Electrical/Electronic Applications		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.7	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.80 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1890	MPa	ASTM D638
Tensile Strength	24.0	MPa	ASTM D638
Tensile Elongation (Break)	36	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Flexural Strength	40.0	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)	120	°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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