

FRblend® PS-1302

General Purpose Polystyrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

FRblend® PS-1302 is a good flow, flame retardant polystyrene for injection molding. This grade offers good dimensional stability at elevated temperature, excellent processability and mechanical characteristics.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Flow		
	Good Processability		
Uses	Business Equipment		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	25.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	39.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	75.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	160 to 180	°C	
Middle Temperature	170 to 180	°C	

Front Temperature	190 to 200	°C
Nozzle Temperature	200 to 210	°C
Mold Temperature	60.0 to 80.0	°C

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Recommended distributors for this material

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