

Mineralblend® PP-3450

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Mineralblend® PP-3450 is a high flow, weather resistance and calcium carbonate filled polypropylene copolymer compound characterized by dimensional stability properties.

General Information			
Filler / Reinforcement	Calcium Carbonate,20% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	Good Weather Resistance		
	High Flow		
Uses	Appliances		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.3 to 1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	32.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	51.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	38	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	121	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	100	°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
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	60.0 to 70.0	°C

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Recommended distributors for this material

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