

Mineralblend® PP-1400

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Mineralblend® PP-1400 is a medium flow talc filled homopolymer polypropylene compound characterized by good impact strength, heat resistance and dimensional stability.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Homopolymer		
	Medium Flow		
	Medium Heat Resistance		
Uses	Appliances		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.0 to 1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.0	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	57.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	124	°C	
1.8 MPa, Unannealed, 4.00 mm	78.0	°C	
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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