

Mineralblend® PP-1450

Polypropylene Copolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Mineralblend® PP-1450 is a medium flow talc filled copolymer polypropylene compound characterized by improved impact strength, heat resistance and dimensional stability.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	Good Impact Resistance		
	High Heat Resistance		
	Medium 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)	6.0	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	28.0	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	43.0	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			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	128	°C	
1.8 MPa, Unannealed, 4.00 mm	84.0	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

