

Borealis MB250WG Polypropylene Compound, Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

MB250WG is a 20 % mineral filled polypropylene compound intended for injection molding. Applications: MB250WG has been developed especially for the white goods industry. Washing machine parts, and Dishwashers components. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-MB250WG-Polypropylene-Compound-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 230 °C	2.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527-2
Elongation at Yield	6.0 %	6.0 %	50mm/min; ISO 527-2
Tensile Modulus	2.40 GPa	348 ksi	1mm/min; ISO 527-2
Flexural Strength	40.0 MPa	5800 psi	5% strain; ISO 178
Flexural Modulus	2.50 GPa	363 ksi	ISO 178
Charpy Impact Unnotched	8.50 J/cm ² @Temperature 23.0 °C	40.4 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.450 J/cm ² @Temperature 23.0 °C	2.14 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ISO 75-2
Vicat Softening Point	83.0 °C @Load 5.10 kg	181 °F @Load 11.2 lb	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	220 - 260 °C	428 - 500 °F	mass temperature
Feed Temperature	40.0 - 80.0 °C	104 - 176 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	

Processing Properties	Metric 100 - 300 mm/sec	English 2.01 - 7.87 in/sec	Comments
Hold Pressure	30.0 - 60.0 MPa	4350 - 8700 psi	

Descriptive Properties	Value	Comments
Back Pressure	low to medium	
Screw Speed	low to medium	

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