

Bulk Molding Compounds BMC 350 Thermoset Polyester, Medium Impact

Category : Polymer , Thermoset , Polyester, TS , Thermoset Polyester Glass Filled BMC

Material Notes:

BMC 350 is a cosmetic and appliance grade material with excellent heat and stain resistant properties. As with all other BMCI compounds, this Series can be supplied in logs, slugs or bulk. Typical applications are small appliance end panels, control panels, bases and large appliance handles, vent trim and control panels.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-350-Thermoset-Polyester-Medium-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.85 - 1.95 g/cc	1.85 - 1.95 g/cc	
Water Absorption	0.15 - 0.25 %	0.15 - 0.25 %	24 hours, 23°C
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength, Ultimate	41.4 - 48.3 MPa	6000 - 7000 psi	
Flexural Strength	82.7 - 110 MPa	12000 - 16000 psi	
Flexural Modulus	11.0 - 12.4 GPa	1600 - 1800 ksi	
Compressive Strength	124 - 138 MPa	18000 - 20000 psi	
Izod Impact, Notched	1.60 - 2.67 J/cm	3.00 - 5.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	218 - 260 °C	425 - 500 °F	
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 166 °C	280 - 330 °F	

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