

Bulk Molding Compounds BMC 665 Mineral filled, 20% glass reinforced polyester molding compound

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

Material Notes:

Description: BMC 665 molding compound is a mineral filled, glass reinforced polyester molding compound suitable for compression, transfer or stuffer injection molding. It is characterized by good moldability, oil and solvent resistance and creep resistance at elevated temperatures. Typical applications include replacements for die castings and sheet molding compounds, cylinder head covers, engine front timing covers, oil pans and structural components. Information provided by Bulk Molding Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-665-Mineral-filled-20-glass-reinforced-polyester-molding-compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	ISO 1183
Water Absorption	0.080 %	0.080 %	ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40	40	
Tensile Strength at Break	33.0 MPa	4790 psi	ISO 527
Tensile Modulus	10.2 GPa	1480 ksi	ISO 572
Flexural Yield Strength	123 MPa	17800 psi	ISO 178
Flexural Modulus	10.2 GPa	1480 ksi	ISO 178
Compressive Strength	170 MPa	24700 psi	ISO 604
Izod Impact, Notched (ISO)	36.0 kJ/m ²	17.1 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 127 °C	>= 260 °F	ISO 75
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

Processing Properties	Metric	English	Comments
Mold Temperature	140 °C	284 °F	

Descriptive Properties	Value	Comments
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