

Bulk Molding Compounds BMC 840 Corrosion Resistant Molding Compound

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

Material Notes:

BMC 840 is a very high strength, corrosion resistant compound suitable for compression, transfer and stuffer injection molding. Typical applications are pump housings and impellers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-840-Corrosion-Resistant-Molding-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 1.85 g/cc	1.75 - 1.85 g/cc	
Water Absorption	0.070 - 0.13 %	0.070 - 0.13 %	24 hours, 23°C
Linear Mold Shrinkage	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength, Ultimate	62.1 - 75.8 MPa	9000 - 11000 psi	
Flexural Strength	124 - 152 MPa	18000 - 22000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	103 - 117 MPa	15000 - 17000 psi	
Izod Impact, Notched	4.27 - 5.87 J/cm	8.00 - 11.0 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	232 - 260 °C	450 - 500 °F	
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 160 °C	280 - 320 °F	

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