

Bulk Molding Compounds BMC A50-EG Low Glass, Encapsulation Grade Molding Compound

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

Material Notes:

BMC A50-EG is a low glass, encapsulation grade material. It is well suited for injection, transfer or compression molding of intricate parts. Typical applications are motor armatures and coils. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-A50-EG-Low-Glass-Encapsulation-Grade-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.55 - 1.75 g/cc	0.0560 - 0.0632 lb/in ³	Molded
Linear Mold Shrinkage	0.00070 - 0.0017 cm/cm	0.00070 - 0.0017 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 50	45 - 50	
Tensile Strength	49.0 - 62.7 MPa	7100 - 9100 psi	
Flexural Strength	95.1 - 123 MPa	13800 - 17800 psi	
Flexural Modulus	4.69 - 6.07 GPa	680 - 880 ksi	
Compressive Strength	114 - 141 MPa	16500 - 20500 psi	
Izod Impact, Notched	2.67 - 3.74 J/cm	5.00 - 7.00 ft-lb/in	

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.4 - 17.4 kV/mm	391 - 441 kV/in	short time
Arc Resistance	>= 188 sec	>= 188 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

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

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