

Bulk Molding Compounds BMC T44 High Strength Mineral Filled Molding Compound

Category : Polymer , Thermoset , Polyester , TS , Thermoset Polyester, Mineral Filled

Material Notes:

BMC T44 is a high strength mineral filled molding compound that is available in a variety of colors. It can be injection, compression or transfer molded. BMC T44 has been successful in displacing engineered phenolic materials in automotive slip-ring as well as commutator applications. Other uses are in welder tips and handles as well as structural parts. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T44-High-Strength-Mineral-Filled-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.59 - 1.79 g/cc	0.0574 - 0.0647 lb/in ³	Molded
Linear Mold Shrinkage	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength	65.5 - 79.3 MPa	9500 - 11500 psi	
Flexural Strength	152 - 179 MPa	22000 - 26000 psi	
Flexural Modulus	8.96 - 10.3 GPa	1300 - 1500 ksi	
Compressive Strength	117 - 145 MPa	17000 - 21000 psi	
Izod Impact, Notched	7.26 - 8.33 J/cm	13.6 - 15.6 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	218 - 260 °C	425 - 500 °F	
Flammability, UL94	HB	HB	This product is not currently UL listed.

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.6 - 15.6 kV/mm	345 - 395 kV/in	short time
Arc Resistance	188 sec	188 sec	

Processing Properties	Metric	English	Comments
Processing Temperature	143 - 171 °C	290 - 340 °F	

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