

Bulk Molding Compounds BMC T9 General Purpose Molding Compound

Category : Polymer , Thermoset , Polyester, TS , Polyester (Thermoset) - Rigid

Material Notes:

BMC T9 is a low cost, general purpose bulk molding compound designed for the electrical industry. It is UL listed and is used extensively in the manufacture of residential circuit breakers. BMC T9 can be compression, transfer or injection molded. Other applications re bobbins and electrical connectors. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T9-General-Purpose-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.96 - 2.16 g/cc	0.0708 - 0.0780 lb/in³	Molded
Linear Mold Shrinkage	0.0020 - 0.0038 cm/cm	0.0020 - 0.0038 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 50	30 - 50	
Tensile Strength	48.3 - 62.1 MPa	7000 - 9000 psi	
Flexural Strength	110 - 138 MPa	16000 - 20000 psi	
Flexural Modulus	8.27 - 9.65 GPa	1200 - 1400 ksi	
Compressive Strength	131 - 159 MPa	19000 - 23000 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	13.8 - 15.7 kV/mm	350 - 400 kV/in	short time
Arc Resistance	>= 180 sec	>= 180 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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