

Bulk Molding Compounds BMC T14 General Purpose Molding Compound

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

Material Notes:

BMC T14 is a general purpose molding compound. Due to the excellent flow and controlled reactivity, BMC T14 is well suited for injection, transfer or compression molding of intricate parts. Typical applications are circuit breakers, insulators, 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-T14-General-Purpose-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.83 - 2.03 g/cc	0.0661 - 0.0733 lb/in ³	Molded
Linear Mold Shrinkage	0.0025 - 0.0030 cm/cm	0.0025 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength	47.6 - 61.4 MPa	6900 - 8900 psi	
Flexural Strength	100 - 128 MPa	14500 - 18500 psi	
Flexural Modulus	8.27 - 9.65 GPa	1200 - 1400 ksi	
Compressive Strength	134 - 162 MPa	19500 - 23500 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	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.4 - 16.3 kV/mm	365 - 415 kV/in	short time
Arc Resistance	>= 190 sec	>= 190 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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