

Bulk Molding Compounds BMC T60-6009 Compression Grade Wear Resistant Molding Compound

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

Material Notes:

BMC T60-6009 is a compression grade wear resistant molding compound. This material was specifically formulated for applications that require excellent abrasion resistance. Due to its low specific gravity it has substantial cost per cubic inch savings. BMC T60-6009 is UL listed and is typically used in power distribution equipment, switching components/relays, constant use switch applications and circuit protection breakers. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T60-6009-Compression-Grade-Wear-Resistant-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.52 - 1.72 g/cc	0.0549 - 0.0621 lb/in ³	Molded
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	5.0 - 10	5.0 - 10	
Tensile Strength	31.0 - 44.8 MPa	4500 - 6500 psi	
Flexural Strength	58.6 - 86.2 MPa	8500 - 12500 psi	
Flexural Modulus	3.79 - 5.17 GPa	550 - 750 ksi	
Compressive Strength	95.1 - 123 MPa	13800 - 17800 psi	
Izod Impact, Notched	1.60 - 2.67 J/cm	3.00 - 5.00 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	13.2 - 15.2 kV/mm	335 - 385 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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