

Bulk Molding Compounds BMC T60-6006 Wear Resistant Molding Compound

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

Material Notes:

BMC T60-6006 is a wear resistant molding compound specifically formulated for applications that require excellent abrasion resistance. Due to its low specific gravity it has substantial cost per cubic inch savings. BMC T60-6006 can be injection, transfer and compression molded. It 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-T60-6006-Wear-Resistant-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.51 - 1.71 g/cc	0.0546 - 0.0618 lb/in ³	Molded
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 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	53.8 - 81.4 MPa	7800 - 11800 psi	
Flexural Modulus	3.65 - 5.03 GPa	530 - 730 ksi	
Compressive Strength	84.8 - 112 MPa	12300 - 16300 psi	
Izod Impact, Notched	1.23 - 2.30 J/cm	2.30 - 4.30 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	>= 185 sec	>= 185 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

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

Processing Properties	Metric	English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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