

Bulk Molding Compounds BMC HT12-1024 Automotive Grade Molding compound

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

Material Notes:

BMC HT12-1024 is a high temp wear resistant molding compound designed for automotive brush holders. It is listed under Ford WS-MSD-A. It can be injection or transfer molded. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-HT12-1024-Automotive-Grade-Molding-compound.php

Physical Properties	Metric	English	Comments
Density	1.65 - 1.85 g/cc	0.0596 - 0.0668 lb/in ³	Molded
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	20 - 30	20 - 30	
Tensile Strength	49.6 - 63.4 MPa	7200 - 9200 psi	
Flexural Strength	89.6 - 117 MPa	13000 - 17000 psi	
Flexural Modulus	6.21 - 7.58 GPa	900 - 1100 ksi	
Compressive Strength	71.0 - 98.6 MPa	10300 - 14300 psi	
Izod Impact, Notched	2.83 - 3.90 J/cm	5.30 - 7.30 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	16.5 - 18.4 kV/mm	418 - 468 kV/in	short time
Arc Resistance	143 sec	143 sec	

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

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