

Bulk Molding Compounds BMC A50-XHS-U Bulk molding compound

Category : Polymer , Thermoset , Polyester , TS

Material Notes:

Description: BMC A50-XHS-U is a high strength bulk molding compound with a UL F1 rating for outdoor exposure. This material was specifically designed for outdoor lighting and electrical applications. It can be supplied in bulk or extruded in pre-weighted slugs. Due to the excellent flow and controlled reactivity, BMC A50-XHS-U is well suited for injection, transfer or compression molding. Information provided by Bulk Molding Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-A50-XHS-U-Bulk-molding-compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.79 - 1.99 g/cc	1.79 - 1.99 g/cc	molded
Linear Mold Shrinkage	0.0015 - 0.0025 cm/cm	0.0015 - 0.0025 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength at Break	57.2 - 71.0 MPa	8300 - 10300 psi	
Flexural Yield Strength	124 - 152 MPa	18000 - 22000 psi	
Flexural Modulus	11.7 - 13.1 GPa	1700 - 1900 ksi	
Compressive Strength	116 - 143 MPa	16800 - 20800 psi	
Izod Impact, Notched	5.34 - 6.41 J/cm	10.0 - 12.0 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	14.8 - 16.7 kV/mm	375 - 425 kV/in	Short Time
Arc Resistance	>= 186 sec	>= 186 sec	
Comparative Tracking Index	<= 500 V	<= 500 V	

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

Processing Properties

Metric

English

Comments

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