

Bulk Molding Compounds BMC T40(25)-XHS-15869 Die Casting Replacement Grade Molding Compound

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

Material Notes:

BMC T40(25)-XHS-15869 is a high strength molding compound with excellent dimensional stability. It is UL recognized and is available in a wide range of colors. Because of its superior physical properties and ability to maintain machined tolerances in a molding part it is used widely as a direct replacement for die castings. T40(25)-XHS-15869 can be injection, compression and transfer molded. Other uses are structural parts as well as circuit breakers. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T4025-XHS-15869-Die-Casting-Replacement-Grade-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.71 - 1.78 g/cc	0.0618 - 0.0643 lb/in ³	Molded
Linear Mold Shrinkage	0.00050 - 0.0015 cm/cm	0.00050 - 0.0015 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	40 - 50	40 - 50	
Tensile Strength	60.01 MPa	8703 psi	
Flexural Strength	111.32 MPa	16146 psi	
Flexural Modulus	10.3 GPa	1500 ksi	
Compressive Strength	131 MPa	19000 psi	
Izod Impact, Notched	5.160 J/cm	9.664 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	UL 94 V0/UL 94 5V

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.2 - 15.2 kV/mm	335 - 385 kV/in	short time
Arc Resistance	>= 183 sec	>= 183 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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