

Bulk Molding Compounds BMC T40(18)V0 Die Casting Replacement Grade Molding Compound

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

Material Notes:

BMC T40(18)V0 is a lower cost version of BMC T40(18) where a UL 5V rating is not necessary.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-T4018V0-Die-Casting-Replacement-Grade-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.72 - 1.92 g/cc	0.0621 - 0.0694 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	50 - 60	50 - 60	
Tensile Strength	62.1 - 75.8 MPa	9000 - 11000 psi	
Flexural Strength	131 - 159 MPa	19000 - 23000 psi	
Flexural Modulus	7.58 - 8.96 GPa	1100 - 1300 ksi	
Compressive Strength	138 - 165 MPa	20000 - 24000 psi	
Izod Impact, Notched	4.11 - 5.18 J/cm	7.70 - 9.70 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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