

Bulk Molding Compounds BMC A30 General Purpose Molding Compound

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

Material Notes:

BMC A30 is a general purpose molding compound with good dimensional stability. Due to the excellent flow and controlled reactivity, BMC A30 is well suited for injection, transfer or compression molding. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-A30-General-Purpose-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.84 - 2.04 g/cc	0.0665 - 0.0737 lb/in ³	Molded
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	
Tensile Strength	33.1 - 46.9 MPa	4800 - 6800 psi	
Flexural Strength	82.7 - 110 MPa	12000 - 16000 psi	
Flexural Modulus	6.89 - 8.27 GPa	1000 - 1200 ksi	
Compressive Strength	93.1 - 121 MPa	13500 - 17500 psi	
Izod Impact, Notched	1.60 - 3.20 J/cm	3.00 - 6.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	HB	HB	This material is not UL listed.

Electrical Properties	Metric	English	Comments
Dielectric Strength	10.8 - 12.8 kV/mm	275 - 325 kV/in	short time
Arc Resistance	>= 180 sec	>= 180 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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