

Bulk Molding Compounds BMC A30-3021 General Purpose Molding Compound

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

Material Notes:

BMC A30-3021 is a low shrink, general purpose molding compound formulated for the lighting industry. A30-3021 is temperature stabilized for use in elevated temp. lighting applications. Due to the excellent flow and controlled reactivity, BMC A30-3021 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-A30-3021-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	0.00050 - 0.0015 cm/cm	0.00050 - 0.0015 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	

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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