

Bulk Molding Compounds BMC A20-(a) High Strength Grade Molding Compound

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

Material Notes:

BMC A20 is a high strength, low shrink general purpose molding compound. Due to the excellent flow and controlled reactivity, BMC A20 is well suited for injection, transfer or compression molding of intricate parts. Typical applications are circuit breakers, insulators, bobbins and electrical connectors. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-A20-a-High-Strength-Grade-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.70 - 1.90 g/cc	0.0614 - 0.0686 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	44.1 - 57.9 MPa	6400 - 8400 psi	
Flexural Strength	124 - 152 MPa	18000 - 22000 psi	
Flexural Modulus	9.65 - 11.0 GPa	1400 - 1600 ksi	
Compressive Strength	103 - 131 MPa	15000 - 19000 psi	
Izod Impact, Notched	5.55 - 6.62 J/cm	10.4 - 12.4 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	5VA	5VA	

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.1 - 16.1 kV/mm	359 - 409 kV/in	short time
Arc Resistance	>= 187 sec	>= 187 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	138 - 166 °C Metric	280 - 330 °F English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China