

## Bulk Molding Compounds BMC 900 Thermoset Polyester, Soft Flow Encapsulation Grade

Category : Polymer , Thermoset , Polyester, TS , Thermoset Polyester Glass Filled BMC

### Material Notes:

BMC 900 is an encapsulation grade, soft flow material. As with all other BMCI compounds, this series can be supplied in logs, slugs or bulk. Typical applications are electrical coil encapsulations and armature shafts.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-900-Thermoset-Polyester-Soft-Flow-Encapsulation-Grade.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-900-Thermoset-Polyester-Soft-Flow-Encapsulation-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 - 1.90 g/cc	1.75 - 1.90 g/cc	
Water Absorption	0.10 - 0.20 %	0.10 - 0.20 %	24 hours, 23°C
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, Ultimate	34.5 - 41.4 MPa	5000 - 6000 psi	
Flexural Strength	68.9 - 82.7 MPa	10000 - 12000 psi	
Flexural Modulus	10.3 - 12.4 GPa	1500 - 1800 ksi	
Compressive Strength	124 - 138 MPa	18000 - 20000 psi	
Izod Impact, Notched	0.534 - 1.60 J/cm	1.00 - 3.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 °C	>= 400 °F	
Flammability, UL94	5VB @Thickness 1.59 mm	5VB @Thickness 0.0625 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	12.6 - 13.8 kV/mm	320 - 350 kV/in	Step by Step
	13.8 - 15.7 kV/mm	350 - 400 kV/in	Short Time
Arc Resistance	180 - 190 sec	180 - 190 sec	
Comparative Tracking Index	>= 500 V	>= 500 V	

Processing Properties	Metric	English	Comments
Mold Temperature	138 - 166 °C	280 - 330 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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