

## Bulk Molding Compounds BMC 695 Vinyl Ester Molding Compound

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Vinyl Ester , Vinyl Ester Sheet Molding Compound

### Material Notes:

BMC 695 vinyl ester molding compound is a mineral filled glass fiber-reinforced vinyl ester compound suitable for compression and injection molding. It is characterized by good moldability, oil and solvent resistance and creep resistance at elevated temperatures. Typical applications include replacements for die castings and sheet molding compounds, valve covers, timing chain covers, and engine top covers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Bulk-Molding-Compounds-BMC-695-Vinyl-Ester-Molding-Compound.php](http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-695-Vinyl-Ester-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 - 1.77 g/cc	1.70 - 1.77 g/cc	
Water Absorption	0.10 - 0.30 %	0.10 - 0.30 %	24 hours, 23°C
Linear Mold Shrinkage	0.00 - 0.0010 cm/cm	0.00 - 0.0010 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	55 - 65	55 - 65	
Tensile Strength, Ultimate	62.1 - 82.7 MPa	9000 - 12000 psi	
Flexural Strength	179 - 214 MPa	26000 - 31000 psi	
Compressive Strength	159 - 193 MPa	23000 - 28000 psi	
Izod Impact, Notched	7.47 - 10.1 J/cm	14.0 - 19.0 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 °C	>= 500 °F	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	
	@Thickness 6.35 mm	@Thickness 0.250 in	
	V-0	V-0	
	@Thickness 3.17 mm	@Thickness 0.125 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.2 kV/mm	360 kV/in	Short Time

Arc Resistance Electrical Properties	$\geq 180$ sec Metric	$\geq 180$ sec English	Comments
Comparative Tracking Index	$\geq 500$ V	$\geq 500$ V	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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