

Bulk Molding Compounds BMC 845 30% Glass Filled Vinyl Ester

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

Material Notes:

BMC 845 is designed for use in PEM type fuel cell applications such as end plates and manifolds. It is a corrosion resistant product that shows outstanding creep resistance and compressive creep at elevated temperatures. It can be easily injection compression molded or compression molded depending on the applications requirements. This product is available in bulk and extruded forms.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-845-30-Glass-Filled-Vinyl-Ester.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	
Linear Mold Shrinkage	0.00 cm/cm	0.00 in/in	

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 138 MPa	>= 20000 psi	
Flexural Modulus	>= 13.8 GPa	>= 2000 ksi	

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

Descriptive Properties	Value	Comments
Color	Natural	
Compressive Creep, 200 psi	0.02%	1000hr @ 80°C

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