

Bulk Molding Compounds BMC 845 Vinyl Ester Molding Compounds, 30% Glass-Filled

Category : Polymer , Thermoset , Vinyl Ester

Material Notes:

Description: 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

Information provided by Bulk Molding Compounds

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-BMC-845-Vinyl-Ester-Molding-Compounds-30-Glass-Filled.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 Yield Strength	138 MPa	20000 psi	
Flexural Modulus	13.8 GPa	2000 ksi	
Izod Impact, Unnotched	3.74 J/cm	7.00 ft-lb/in	
Tensile Creep Modulus, 1000 hours	20.7 MPa	3000 psi	2%

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	

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