

# BMC 840-7482

Vinyl Ester

Bulk Molding Compounds, Inc.

## Message:

BMC 840-7482 is a Vinyl Ester product, which contains a 22% glass fiber reinforced material. It is available in North America. BMC 840-7482 applications include housing, engineering/industrial accessories, automotive industry and coating applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 22% filler by weight		
Uses	Protective cover		
	Pump parts		
	Parts under the hood of a car		
	Shell		
Forms	BMC-Block Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.17	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	38.6	MPa	ASTM D638
Flexural Modulus - Secant (0.500 mm)	11800	MPa	ASTM D790
Flexural Strength	99.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	250	J/m	ASTM D256
Instrumented Dart Impact (Total Energy)	6.90	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	197	°C	ASTM E1356
Additional Information			

Flexural Modulus, ASTM D790, Secant @ 2.5mm: Sample BreaksFlexural Modulus, ASTM D790,150°C: 7306 MPaInstrumented Dart Impact, ASTM D3763, Max Load: 1124 NInstrumented Dart Impact, ASTM D3763, Deflection to Max Load: 4.6 mmInstrumented Dart Impact, ASTM D3763, Energy to Max Load: 3.4 J

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## Recommended distributors for this material

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