

# BMC 840-7271

Vinyl Ester

Bulk Molding Compounds, Inc.

## Message:

BMC 840-7271 is a Vinyl Ester product, which contains a 23% glass fiber reinforced material. It is available in North America. The application areas of BMC 840-7271 include housing, engineering/industrial accessories, automotive industry and coating applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 23% 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	1.69	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.18	%	ASTM D955
Water Absorption (24 hr)	0.14	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	39.8	MPa	ASTM D638
Flexural Modulus - Secant (0.500 mm)	10900	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	330	J/m	ASTM D256
Instrumented Dart Impact (Total Energy)	7.30	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	203	°C	ASTM E1356
Additional Information			

Flexural Modulus, ASTM D790, Secant @ 2.5mm: Sample BreaksFlexural Modulus, ASTM D790,150°C: 6748 MPaInstrumented Dart Impact, ASTM D3763, Max Load: 1095 NInstrumented Dart Impact, ASTM D3763, Deflection to Max Load: 5.3 mmInstrumented Dart Impact, ASTM D3763, Energy to Max Load: 4.2 J

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## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

