

BMC 695

Vinyl Ester

Bulk Molding Compounds, Inc.

Message:

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.

BMC 695 molding compound is produced in a range of automotive colors. It is available in log form or custom preforms designed to fit the net shape of compression molds, or in bulk form.

General Information			
Filler / Reinforcement	Glass \Mineral		
Features	Solvent resistance		
	Good formability		
	Good creep resistance		
	Oil resistance		
Uses	Parts under the hood of a car Application in Automobile Field		
Appearance	Available colors		
Forms	BMC-Block Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.0 - 0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	60		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	72.4	MPa	ASTM D638
Flexural Strength	197	MPa	ASTM D790
Compressive Strength	176	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	880	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	14	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495
Comparative Tracking Index (CTI)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
1.60 mm	HB	UL 94
3.18 mm	V-0	UL 94
6.35 mm	V-0	UL 94

Additional Information

Notched Izod Impact, ASTM D256: 14 to 19 ft-lb/in

NOTE


1. Method A (short time)

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