

# BMC 700

Thermoset Polyester  
Bulk Molding Compounds, Inc.

Message:

BMC 700 is a Thermoset Polyester product filled with glass fiber. It is available in North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	35		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.7	MPa	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Compressive Strength	110	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.5E+14	ohms · cm	ASTM D257
Dielectric Strength	16	kV/mm	ASTM D149
Arc Resistance (1.59 mm)	180	sec	ASTM D495
Comparative Tracking Index (CTI) (1.59 mm)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	5V		UL 94

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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](mailto:sales@su-jiao.com)

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

