

# BMC 900

Thermoset Polyester  
Bulk Molding Compounds, Inc.

Message:

BMC 900 is a Thermoset Polyester product filled with glass fiber. It can be processed by encapsulating and is available in North America. Typical application: Housings. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Uses	Electric Motor Housings		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Encapsulating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Water Absorption (24 hr)	0.070	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	30		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	53	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)	V-0		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

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

