

Technical Data Sheet

Bmc 902

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Glass Fiber	
Uses	• Electric Motor Housings	
Appearance	• Colors Available	• Natural Color
Forms	• Pellets	
Processing Method	• Encapsulating	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.85	1.84 g/cm ³	ASTM D792
Water Absorption (24 Hr)	0.070 %	0.070 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3000 psi	20.7 MPa	ASTM D638
Flexural Modulus	1.00E+6 psi	6890 MPa	ASTM D790
Flexural Strength (Yield)	10000 psi	68.9 MPa	ASTM D790
Compressive Strength	16000 psi	110 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.0 ft·lb/in	53 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	30	30	ASTM D2583
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	400 °F	204 °C	ASTM D648
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Volume Resistivity	1.5E+14 ohms·cm	1.5E+14 ohms·cm	ASTM D257
Dielectric Strength	410 V/mil	16 kV/mm	ASTM D149
Arc Resistance (0.0625 In (1.59 Mm))	180 sec	180 sec	ASTM D495
Comparative Tracking Index (CTI) 0.0625 In (1.59 Mm)	500 V	500 V	UL 746A
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.6 Mm))	V-0	V-0	UL 94

Notes

These are typical property values not to be construed as specification limits.