

Technical Data Sheet

Bmc 800

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

General				
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight			
Features	• Good Weather Resistance			
Uses	• Marine Applications • Pump Parts			
Appearance	• Colors Available			
Forms	• Pellets			
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)	0.050 %		0.050 %	ASTM D570
Mechanical	Nominal Value (English)		Nominal Value (SI)	Test Method
Tensile Strength (Yield)	6000 psi		41.4 MPa	ASTM D638
Flexural Modulus	1.50E+6 psi		10300 MPa	ASTM D790
Flexural Strength (Yield)	18000 psi		124 MPa	ASTM D790
Compressive Strength	20000 psi		138 MPa	ASTM D695
Impact	Nominal Value (English)		Nominal Value (SI)	Test Method
Notched Izod Impact	5.0 ft·lb/in		270 J/m	ASTM D256
Hardness	Nominal Value (English)		Nominal Value (SI)	Test Method
Barcol Hardness	40		40	ASTM D2583
Thermal	Nominal Value (English)		Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	500 °F		260 °C	ASTM D648
Electrical	Nominal Value (English)		Nominal Value (SI)	Test Method
Volume Resistivity	1.5E+6 ohms·cm		1.5E+6 ohms·cm	ASTM D257
Dielectric Strength	400 V/mil		16 kV/mm	ASTM D149
Arc Resistance (0.0625 In (1.59 Mm))	190 sec		190 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 • 5V	• V-0 • 5V	V-0 5V	UL 94

Notes

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