

Technical Data Sheet

Bmc HT12-1024

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

General		
Uses	• Automotive Applications	• Automotive Under the Hood
Appearance	• Black	
Forms	• Pellets	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.75	1.75 g/cm ³	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	8200 psi	56.5 MPa	ASTM D638
Flexural Modulus	1.00E+6 psi	6890 MPa	ASTM D790
Flexural Strength (Yield)	15100 psi	104 MPa	ASTM D790
Compressive Strength	12300 psi	84.8 MPa	ASTM D695

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	6.3 ft·lb/in	340 J/m	ASTM D4812

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	25	25	ASTM D2583

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	440 V/mil	17 kV/mm	ASTM D149
Arc Resistance	143 sec	143 sec	ASTM D495

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm)	HB	HB	
0.09 In (2.2 Mm)	HB	HB	
0.12 In (3.1 Mm)	HB	HB	

Additional Information			
Barcol Hardness, ASTM D2583: 20 to 30			
UL Flame Rating, UL 94, 0.058 to 0.062 in: HB			
UL Flame Rating, UL 94, 0.075 to 0.1 in: HB			
UL Flame Rating, UL 94, 0.120 to 0.125 in: HB			

Notes
¹ Type I

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