

Technical Data Sheet

Bmc T45HT
 Thermoset Polyester
 LyondellBasell Industries
 Engineering Plastics

General		
Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Under the Hood 	
Automotive Specifications	<ul style="list-style-type: none"> GM GMP.UP.007 	
Appearance	<ul style="list-style-type: none"> Black 	
Forms	<ul style="list-style-type: none"> Pellets 	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.79	1.79 g/cm ³	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	12300 psi	84.6 MPa	ASTM D638
Flexural Modulus	2.10E+6 psi	14500 MPa	ASTM D790
Flexural Strength (Yield)	26300 psi	181 MPa	ASTM D790
Compressive Strength	29100 psi	200 MPa	ASTM D695

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	14 ft·lb/in	730 J/m	ASTM D4812

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	55	55	ASTM D2583

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	380 V/mil	15 kV/mm	ASTM D149
Arc Resistance	180 sec	180 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: 50 to 60	
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.