

Technical Data Sheet

Bmc T40(18)

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

General	
Features	• High Strength
Uses	• Electrical/Electronic Applications
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.83	1.83 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	10500 psi	72.3 MPa	ASTM D638
Flexural Modulus	1.10E+6 psi	7580 MPa	ASTM D790
Flexural Strength (Yield)	21500 psi	148 MPa	ASTM D790
Compressive Strength	21100 psi	145 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	9.0 ft·lb/in	480 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	360 V/mil	14 kV/mm	ASTM D149
Arc Resistance	190 sec	190 sec	ASTM D495
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm)	V-0	V-0	
0.12 In (3.1 Mm)	5V	5V	

Additional Information	
Barcol Hardness, ASTM D2583: 50 to 60	
UL Flame Rating, UL 94, 0.058 to 0.062 in: V-0	
UL Flame Rating, UL 94, 0.120 to 0.125 in: 5-V	

Notes
¹ Type I

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