

Technical Data Sheet

# Bmc T40(20)

Thermoset Polyester  
LyondellBasell Industries  
Engineering Plastics

General	
Features	<ul style="list-style-type: none"> <li>• High Strength</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Electrical/Electronic Applications</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>• Black</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Pellets</li> </ul>

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.78	1.78 g/cm <sup>3</sup>	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>1</sup> (Yield)	11000 psi	75.8 MPa	ASTM D638
Flexural Modulus	1.50E+6 psi	10300 MPa	ASTM D790
Flexural Strength (Yield)	20700 psi	143 MPa	ASTM D790
Compressive Strength	21300 psi	147 MPa	ASTM D695

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	12 ft·lb/in	640 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**  
<sup>1</sup> Type I

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