

Technical Data Sheet

**Bmc T15(GPS)**

Thermoset Polyester  
LyondellBasell Industries  
Engineering Plastics

General	
Uses	• Electrical/Electronic Applications
Appearance	• Colors Available
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.89	1.89 g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>1</sup> (Yield)	6540 psi	45.1 MPa	ASTM D638
Flexural Modulus	1.80E+6 psi	12400 MPa	ASTM D790
Flexural Strength (Yield)	25900 psi	178 MPa	ASTM D790
Compressive Strength	18200 psi	126 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	8.8 ft·lb/in	470 J/m	ASTM D4812
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	33	33	ASTM D2583
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	380 V/mil	15 kV/mm	ASTM D149
Arc Resistance	183 sec	183 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	
0.09 In (2.2 Mm)	V-0	V-0	
0.12 In (3.1 Mm)	V-0	V-0	

Additional Information	
Barcol Hardness, ASTM D2583: 30 to 35	
UL Flame Rating, UL 94, 0.058 to 0.062 in: V-0	
UL Flame Rating, UL 94, 0.075 to 0.1 in: V-0	
UL Flame Rating, UL 94, 0.120 to 0.125 in: V-0	

**Notes**

<sup>1</sup> Type I

**Notes**

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