

Technical Data Sheet

Bmc T15(GP)

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	1.93	1.93 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	9500 psi	65.5 MPa	ASTM D638
Flexural Modulus	1.70E+6 psi	11700 MPa	ASTM D790
Flexural Strength (Yield)	18900 psi	130 MPa	ASTM D790
Compressive Strength	20600 psi	142 MPa	ASTM D695
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact	6.0 ft·lb/in	320 J/m	ASTM D4812
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Barcol Hardness	48	48	ASTM D2583
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	360 V/mil	14 kV/mm	ASTM D149
Arc Resistance	185 sec	185 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: 45 to 50	
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

¹ Type I

Notes

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