LubriOne™ B70 G15 TF15

Polyamide 6

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber
Features	• Lubricated
Processing Method	• Injection Molding

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.33 g/cm³	1.33 g/cm³	ISO 1183
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus	914000 psi	6300 MPa	ISO 527-2
Tensile Stress (Break)	18900 psi	130 MPa	ISO 527-2
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	2.9 ft·lb/in²	6.0 kJ/m²	
73°F (23°C)	3.3 ft·lb/in²	7.0 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-22°F (-30°C)	19 ft·lb/in²	40 kJ/m²	
73°F (23°C)	24 ft·lb/in²	50 kJ/m²	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	428 °F	220 °C	
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	401 °F	205 °C	
Melting Temperature (DSC)	433 °F	223 °C	ISO 3146
Electrical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Surface Resistivity	1.0E+13 ohms	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093
Electric Strength	2000 V/mil	80 kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.70	3.70	IEC 60250
Dissipation Factor (1 MHz)	0.025	0.025	IEC 60250
Comparative Tracking Index	500 V	500 V	IEC 60112
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating			UL 94
0.03 to 0.06 in (0.8 to 1.6 mm)	HB	HB	

Notes

[1] Typical values are not to be construed as specifications.