LubriOne™ SF-000/25BZ-15T bronze

Polyphenylene Sulfide

Key Characteristics

Product Description
LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability.

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Lubricated		
Uses	• Appliance Components	• Conveyor Parts	• Printer Parts
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.85	1.85	ASTM D792
Molding Shrinkage - Flow	0.012 to 0.016 in/in	1.2 to 1.6 %	ASTM D955
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus [2]	363000 psi	2500 MPa	ASTM D638
Tensile Strength [2] (Break)	7250 psi	50.0 MPa	ASTM D638
Tensile Elongation [2] (Break)	2.0 to 3.0 %	2.0 to 3.0 %	ASTM D638
Flexural Modulus	464000 psi	3200 MPa	ASTM D790
Flexural Strength	13100 psi	90.0 MPa	ASTM D790
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength	0.71 ft·lb/in²	1.5 kJ/m²	ISO 179
Charpy Unnotched Impact Strength	7.6 ft·lb/in²	16 kJ/m²	ISO 179
Electrical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Surface Resistivity	1.0E+14 ohms	1.0E+14 ohms	ASTM D257
Volume Resistivity	1.0E+14 ohms·cm	1.0E+14 ohms·cm	ASTM D257

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	284 to 302 °F	140 to 150 °C
Drying Time	4.0 hr	4.0 hr
Mold Temperature	266 to 302 °F	130 to 150 °C

Notes

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

[2] Type I, 0.20 in/min (5.1 mm/min)