

Techmer ES Luriblend® PPS/F GF30 TL15 BK 30% Glass Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), PTFE/Glass-Fiber Filled

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber, 30% Filler by Weight Additive: PTFE Lubricant Features: Lubricated, Good Wear Resistance and Low Friction Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PPSF-GF30-TL15-BK-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.030 % @Time 86400 sec	0.030 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	159 MPa	23000 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	174 MPa	25200 psi	ASTM D790
Flexural Modulus	14.1 GPa	2050 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.17 mm	0.600 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	2.03 J/cm @Thickness 3.17 mm	3.80 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.14	0.14	ASTM D1894
Coefficient of Friction, Static	0.11	0.11	ASTM D1894
K (wear) Factor	141 x 10 ⁻⁸ mm ³ /N-M	70.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	14.4 Åµm/m-Å°C	8.00 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	260 Å°C	500 Å°F	Unannealed; ASTM D648

Flammability, UL 94 Thermal Properties	V-0 Metric	V-0 English	Comments
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