

## Techmer ES Plaslube® J-1850/30/TF/15 PBT, 30% GFR, 15% PTFE

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber + PTFE Filled

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plaslube-J-185030TF15-PBT-30-GFR-15-PTFE.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-185030TF15-PBT-30-GFR-15-PTFE.php)

Physical Properties	Metric	English	Comments
Density	1.66 g/cc	0.0600 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.16 %	1.16 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	110 MPa	16000 psi	ASTM D638
Elongation at Break	2.0 - 3.0 %	2.0 - 3.0 %	ASTM D638
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790
Compressive Strength	103 MPa	15000 psi	ASTM D695
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.25	0.25	
Coefficient of Friction, Static	0.23	0.23	
K (wear) Factor	242 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	120 x 10 <sup>-10</sup> in <sup>3</sup> - min/ft-lb-hr	Thrust washer at 2000 PV
Limiting Pressure Velocity	0.701 MPa-m/sec	20000 psi-ft/min	at 100 FPM, ambient temperature, thrust washer.

Thermal Properties	Metric	English	Comments
CTE, linear	23.4 Åµm/m-Å°C @Temperature 20.0 Å°C	13.0 Åµin/in-Å°F @Temperature 68.0 Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	213 Å°C	415 Å°F	ASTM D648

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 1.59 mm	@Thickness 0.0625 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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