

Techmer ES Plaslube® J-50/30/TF/10 Polycarbonate, 30% GFR, 10% PTFE

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass + PTFE Filled

Material Notes:

Plaslube glass fiber reinforced polytetrafluorethylene (PTFE) lubricated polycarbonate grades have an excellent balance of mechanical strength characteristics, dimensional stability and wear and friction performance. These products are ideal candidates for gears and gear trains, as well as wear pads and bearings. The proprietary PTFE and polymer lubricant blend lubricated grades add additional cost/performance versus traditional PTFE lubricated polycarbonate compounds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-5030TF10-Polycarbonate-30-GFR-10-PTFE.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	ASTM D792
Water Absorption	0.090 %	0.090 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm @Thickness 3.17 mm	0.0010 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	124 MPa	18000 psi	ASTM D638
Flexural Yield Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 3.17 mm	3.00 ft-lb/in @Thickness 0.125 in	ASTM D256

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