

Techmer ES Plaslube® J-50/30/TF/15 Polycarbonate, 30% Glass Reinforced, PTFE Lubricated

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

Material Notes:

30% Glass Reinforced, PTFE Lubricated

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-5030TF15-Polycarbonate-30-Glass-Reinforced-PTFE-Lubricated.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.080 %	0.080 %	24 hrs; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Ultimate	117 MPa	17000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	165 MPa	24000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Compressive Yield Strength	110 MPa	16000 psi	ASTM D695
Izod Impact, Notched	1.76 J/cm	3.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	15.0 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	ASTM D648
Flammability, UL94	V-1 @Thickness 1.59 mm	V-1 @Thickness 0.0625 in	

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