

## Techmer ES Plaslube® J-50/20/TF/15 Polycarbonate, 20% Glass Reinforced, PTFE Lubricated

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

**Material Notes:**

20% Glass Reinforced, PTFE Lubricated

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plaslube-J-5020TF15-Polycarbonate-20-Glass-Reinforced-PTFE-Lubricated.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-5020TF15-Polycarbonate-20-Glass-Reinforced-PTFE-Lubricated.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.11 %	0.11 %	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	114	114	ASTM D785
Tensile Strength, Ultimate	100 MPa	14500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	6.21 GPa	900 ksi	ASTM D790
Compressive Yield Strength	96.5 MPa	14000 psi	ASTM D695
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	289 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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