

Techmer ES Plaslube® J-50/20/SI/2 Polycarbonate, 20% GFR, 2% Silicone

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-5020SI2-Polycarbonate-20-GFR-2-Silicone.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Water Absorption	0.090 %	0.090 %	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	118	118	ASTM D785
Tensile Strength, Ultimate	110 MPa	16000 psi	ASTM D638
Flexural Yield Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	5.52 GPa	800 ksi	ASTM D790
Compressive Strength	110 MPa	16000 psi	ASTM D695
Izod Impact, Notched	1.92 J/cm @Thickness 3.17 mm	3.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	25.2 Âµm/m-Â°C @Temperature 20.0 Â°C	14.0 Âµin/in-Â°F @Temperature 68.0 Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	143 Â°C	290 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

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