

Techmer ES Luriblend[®] PC GF30 TL15 30% Glass Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled , Polycarbonate, PTFE Filled

Material Notes:

Availability: North America
 Forms: Pellets
 Filler/Reinforcement: Glass Fiber, 30% Filler by Weight
 Additive: PTFE Lubricant(15%)
 Features: Lubricated
 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PC-GF30-TL15-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	121 MPa	17500 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	159 MPa	23000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	28.8 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	16.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	146 $\text{Å}^\circ\text{C}$	295 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 $\text{Å}^\circ\text{C}$	290 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	V-1	V-1	

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