

Techmer ES Luriblend® PC GF30 TS15 BK 30% Glass Filled

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

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Fiber, 30% Filler by WeightAdditive: PTFE + Silicone

LubricantFeatures: LubricatedAppearance: BlackInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PC-GF30-TS15-BK-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Yield Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	4.55 GPa	660 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	28.8 Åm/m-Å°C	16.0 Åin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	182 Å°C	360 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	132 Å°C	270 Å°F	Unannealed; ASTM D648

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