

Techmer ES Luriblend® PA6/6 CF10 TL15 BK 10% Carbon Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Carbon Fiber/PTFE Filled

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Carbon Fiber, 10% Filler by WeightAdditive: PTFE + Silicone

Lubricant(15%)Features: Lubricated and Good Wear ResistanceAppearance: BlackInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-CF10-TL15-BK-10-Carbon-Filled.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Water Absorption	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0080 cm/cm @Thickness 3.17 mm	0.0080 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	145 MPa	21000 psi	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	199 MPa	28800 psi	ASTM D790
Flexural Modulus	6.83 GPa	990 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	254 Â°C	490 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	252 Â°C	485 Â°F	Unannealed; ASTM D648

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