

PolyOne Lubri-Tech™ NL-10GF/15TF Nylon 6/12 - 10% Glass Fiber - 15% PTFE Flock (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Glass Fiber Filler

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-NL-10GF15TF-Nylon-612-10-Glass-Fiber-15-PTFE-Flock-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0090 - 0.010 cm/cm @Thickness 3.17 mm	0.0090 - 0.010 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	69.0 MPa	10000 psi	ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	ASTM D638
Tensile Modulus	3.40 GPa	493 ksi	ASTM D638
Flexural Yield Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	3.40 GPa	493 ksi	ASTM D790
Izod Impact, Notched	0.690 - 0.960 J/cm @Thickness 6.35 mm	1.29 - 1.80 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	199 °C	390 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	193 °C	379 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 271 °C	460 - 520 °F	Stock
Mold Temperature	93.0 - 107 °C	199 - 225 °F	
Drying Temperature	93.0 - 107 °C	199 - 225 °F	

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