

PolyOne Lubri-Tech™ NL-15CF-15GF/5M Nylon 6/12, Carbon/Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

Description/Features: Carbon Fiber Reinforced Glass Fiber Reinforced Molybdenum Disulfide Lubricated Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-NL-15CF-15GF5M-Nylon-612-CarbonGlass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.315 g/cc	1.315 g/cc	ASTM D792
Water Absorption	0.40 % @Thickness 3.17 mm	0.40 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	128 MPa	18500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	5.86 GPa	850 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.20 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	213 °C	415 °F	Unannealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	Unannealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	ASTM D257
Surface Resistivity per Square	1000 ohm	1000 ohm	ASTM D257

Electrical Properties

Metric

English

Comments

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