

PolyOne Lubri-Tech™ NL-15KV/000 Nylon 6/12, Aramid Fiber (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

Description/Features:Aramid Fiber ReinforcedInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-NL-15KV000-Nylon-612-Aramid-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Water Absorption	0.15 % @Thickness 3.17 mm	0.15 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.2 MPa	8000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.20 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)	177 °C	350 °F	Unannealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	93.3 °C	200 °F	Unannealed, 0.125 in bars; ASTM D648

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