

PolyOne Lubri-Tech™ NL-15KV/05M Nylon 6/12 - 15% Kevlar Fiber - 5% MoS2 (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Aramid Fiber Filled

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-NL-15KV05M-Nylon-612-15-Kevlar-Fiber-5-MoS2-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.010 - 0.020 cm/cm @Thickness 3.17 mm	0.010 - 0.020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM D638
Elongation at Break	2.0 - 5.0 %	2.0 - 5.0 %	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638
Flexural Yield Strength	97.0 MPa	14100 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.430 - 0.640 J/cm @Thickness 6.35 mm	0.806 - 1.20 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	351 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 260 °C	450 - 500 °F	Stock
Mold Temperature	93.0 - 107 °C	199 - 225 °F	
Drying Temperature	93.0 - 107 °C	199 - 225 °F	

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