

PolyOne Lubri-Tech™ NI-10CF/15T Nylon 6/10, Carbon Fiber Reinforced, PTFE Lubricated (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

Material Notes:

Description/Features: Carbon Fiber Reinforced PTFE Lubricated PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-NI-10CF15T-Nylon-610-Carbon-Fiber-Reinforced-PTFE-Lubricated-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	121 MPa	17500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	6.89 GPa	1000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	5.52 GPa	800 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.00 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)	218 °C	425 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	ASTM D257
Surface Resistivity per Square	10000 ohm	10000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 282 °C	480 - 540 °F	Molding
Mold Temperature	93.3 - 104 °C	200 - 220 °F	
Drying Temperature	93.3 - 104 °C	200 - 220 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

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