

## PolyOne Lubri-Tech™ NL-30GF/15T Nylon 6/12, Glass Filled, PTFE Lubricated (discontinued \*\*)

Category : Polymer , Thermoplastic , Nylon , Nylon 612

### Material Notes:

Description/Features: Glass Fiber Reinforced PTFE Lubricated UL 94 HB (HEM TEST) Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-NL-30GF15T-Nylon-612-Glass-Filled-PTFE-Lubricated-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-NL-30GF15T-Nylon-612-Glass-Filled-PTFE-Lubricated-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	133.4 MPa	19350 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	8.27 GPa	1200 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	210 MPa	30400 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Compressive Strength	26.9 MPa	3900 psi	ASTM D695
Izod Impact, Notched	1.28 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	2.40 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 µm/m-°C @Temperature 20.0 °C	15.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Thermal Conductivity	>= 0.476 W/m-K	>= 3.30 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	204 °C	400 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	254 - 282 °C	490 - 540 °F	Molding
Mold Temperature	65.6 - 98.9 °C	150 - 210 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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