

PolyOne LubriOne™ NN-30GF/10T WHT Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LubriOne™ Lubricated and Wear-Resistant Compounds have been specifically formulated to be self-lubricating materials, offering low coefficient of friction and improved wear resistance properties. LubriOne compounds have been demonstrated to reduce friction, noise, vibration, heat buildup and improve product durability. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-LubriOne-NN-30GF10T-WHT-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Water Absorption	0.50 % @Temperature 23.0 °C	0.50 % @Temperature 73.4 °F	@ 24 hrs; Internal Method
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82 @Temperature 23.0 °C	82 @Temperature 73.4 °F	15 sec; ASTM D2240
	83 @Temperature 23.0 °C	83 @Temperature 73.4 °F	ASTM D2240
Tensile Strength	172 MPa	24900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	9.65 GPa	1400 ksi	ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	244 °C	471 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
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Electrical Properties	8.50 kV/mm Metric	216 kV/in English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	Method A (Short-Time); ASTM D149

Processing Properties	Metric	English	Comments
Melt Temperature	288 - 299 °C	550 - 570 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	71.1 - 82.2 °C	160 - 180 °F	

Descriptive Properties	Value	Comments
Additive	Lubricant	
Appearance	White	
Features	Lubricated	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Appliance Components	
	Automotive Applications	
	Bearings	
	Business Equipment	
	Consumer Applications	
	Conveyor Parts	
	Gears	
	Industrial Applications	

Descriptive Properties	Printer Parts Value	Comments
	Pulleys	
	Rollers	

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