



LubriOne™ LubriOne NY-30GF/15T/02S natur Polyamide 6

Key Characteristics

Product Description

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.

General

Material Status	• Commercial: Active		
Regional Availability	• Europe		
Features	• Low Friction	• Lubricated	• Wear Resistant
Uses	• Appliance Components	• Consumer Applications	• Printer Parts
	• Automotive Applications	• Conveyor Parts	• Pulleys
	• Bearings	• Gears	• Rollers
	• Business Equipment	• Industrial Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density ²	1.48 g/cm ³	1.48 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus 73°F (23°C), 0.157 in (4.00 mm), Injection Molded	1.46E+6 psi	10100 MPa	ISO 527-2/1
Tensile Stress (Break)	21800 psi	150 MPa	ISO 527-2
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2
Flexural Modulus	1.16E+6 psi	8000 MPa	ISO 178
Flexural Stress	31900 psi	220 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength 73°F (23°C), Injection Molded	5.7 ft·lb/in ²	12 kJ/m ²	ISO 179
Unnotched Izod Impact Strength 73°F (23°C), Injection Molded	36 ft·lb/in ²	75 kJ/m ²	ISO 180
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	428 °F	220 °C	ISO 75-2/B
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	406 °F	208 °C	ISO 75-2/A
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Burning Rate	< 3.9 in/min	< 100 mm/min	ISO 3795
Flame Rating	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	464 to 518 °F	240 to 270 °C

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Notes¹ Typical values are not to be construed as specifications.² ±0.03**CONTACT INFORMATION****Americas**United States - Avon Lake
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