

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

Polyamide 6

PolyOne Corporation

## Message:

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 Information			
Features	Low friction coefficient		
	Good wear resistance		
	Lubrication		
Uses	Gear		
	Conveyor accessories		
	Industrial application		
	Roller		
	Pulley		
	Home appliance components		
	Application in Automobile Field		
	Business equipment		
	Consumer goods application field		
	Printing machine parts		
Forms	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	1.48	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	10100	MPa	ISO 527-2/1
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	12	kJ/m <sup>2</sup>	ISO 179
Unnotched Izod Impact Strength (23°C, Injection Molded)	75	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, not annealed	220	°C	ISO 75-2/B
1.8 MPa, not annealed	208	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	ISO 3795
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	240 - 270	°C	
NOTE			
1.	±0.03		

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WECHAT