

# LubriOne™ LB 6000-5006 NHFR NATURAL

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	Flame Retardant		
	Good Wear Resistance		
	Halogen Free		
	Low Friction		
	Lubricated		
Uses	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10400	MPa	ISO 527-2
Tensile Stress (Break)	131	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	8600	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.5	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	60	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
1.60 mm	960	°C	
3.00 mm	960	°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	50.0 to 90.0	°C	

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Recommended distributors for this material

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