

LubriOne™ LB6000-5003BK

Polyamide 6
PolyOne Corporation

Message:

LubriOne™ LB6000-5003BK is a Polyamide 6 (Nylon 6) product. It is available in Europe. Applications of LubriOne™ LB6000-5003BK include engineering/industrial parts, appliances, automotive, business/office goods and consumer goods.

Characteristics include:

- Chemical Resistant
- Good Processability
- Medium Viscosity
- Wear Resistant

General Information			
Features	Good Chemical Resistance		
	Good Processing Stability		
	Good Wear Resistance		
	Low Friction		
	Lubricated		
	Medium Viscosity		
Uses	Appliance Components		
	Automotive Applications		
	Bearings		
	Business Equipment		
	Consumer Applications		
	Conveyor Parts		
	Gears		
	Industrial Applications		
	Printer Parts		
	Rollers		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.15	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Flow	1.1 to 1.4	%	
Across Flow : 23°C, 2.00 mm ²	1.0 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3400	MPa	ISO 527-2/1
Tensile Stress (23°C, 4.00 mm)	76.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C, 4.00 mm)	> 10	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.3	kJ/m ²	
23°C	5.4	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	171	°C	ISO 75-2/B
1.8 MPa, Unannealed	67.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	±0.02		
2.	Bergmann method		

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