

LubriOne™ LB3100-8008 HS GR001

Polycarbonate + ABS

PolyOne Corporation

Message:

LubriOne™ Lubricating and wear-resistant polymers are specially used for self-lubricating materials, and their friction coefficient is low, which can improve wear resistance. LubriOne polymers have been proven to reduce friction, noise, vibration, heat generation 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		
Appearance	Grey		
	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 23°C)	55.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 20	%	ASTM D638
Flexural Modulus ³ (23°C)	2300	MPa	ASTM D790
Flexural Strength ⁴ (23°C)	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	400	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	106	°C	ASTM D648

Injection	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	4.0 - 6.0	hr
Processing (Melt) Temp	240 - 260	°C
Mold Temperature	80.0	°C

Injection instructions

Injection Pressure: MED-HIGH Hold Pressure: MED-HIGH Screw Speed: MODERATE Back Pressure: LOW

NOTE

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|----|------------------|
| 1. | Type 1, 50mm/min |
| 2. | Type 1, 50mm/min |
| 3. | 1.3 mm/min |
| 4. | 1.3 mm/min |

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