

# LubriOne™ LB3300-5002 RS BK

Polybutylene Terephthalate  
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	Good Chemical Resistance		
	High Heat Resistance		
	High Rigidity		
	Lubricated		
	Semi Crystalline		
Uses	Appliance Components		
	Automotive Applications		
	Bearings		
	Business Equipment		
	Consumer Applications		
	Conveyor Parts		
	Gears		
	Industrial Applications		
	Printer Parts		
	Pulleys		
	Rollers		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup> (23°C)	1.63	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	6.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	4.50	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage - Flow <sup>2</sup> (23°C, 4.00 mm)	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	9500	MPa	ISO 527-2/1

Tensile Stress (Break, 23°C, 4.00 mm, Injection Molded)	110	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded)	1.8	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	6.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C, Injection Molded)	50	kJ/m <sup>2</sup>	ISO 179
NOTE			
1.	±0.03		
2.	Bergmann method		

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#### Recommended distributors for this material

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