



LubriOne™ LB3100-8008 HS GR001

Polycarbonate + ABS

Key Characteristics

Product Description	
PTFE and silicone lubricated PC/ABS compound	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Low Friction • Lubricated • Wear Resistant
Uses	• Appliance Components • Consumer Applications • Printer Parts • Automotive Applications • Conveyor Parts • Pulleys • Bearings • Gears • Rollers • Business Equipment • Industrial Applications
Appearance	• Grey
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19	ASTM D792
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3 in/in	0.50 to 0.70 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield, 73°F (23°C))	7980 psi	55.0 MPa	ASTM D638
Tensile Elongation ² (Break)	> 20 %	> 20 %	ASTM D638
Flexural Modulus ³ (73°F (23°C))	334000 psi	2300 MPa	ASTM D790
Flexural Strength ³ (73°F (23°C))	13100 psi	90.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm), Injection Molded	7.5 ft-lb/in	400 J/m	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	223 °F	106 °C	ASTM D648

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	194 °F	90 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Processing (Melt) Temp	464 to 500 °F	240 to 260 °C
Mold Temperature	176 °F	80 °C

Injection Notes

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

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)



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