



LubriOne™ PC-000/15T

Polycarbonate

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Lubricated		
Uses	• Appliance Components	• Conveyor Parts	• Printer Parts
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.29	1.29	ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 8.0E-3 in/in	0.60 to 0.80 %	ASTM D955
Water Absorption			ASTM D570
24 hr, 0.0200 in (0.508 mm)	0.18 %	0.18 %	
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	350000 psi	2410 MPa	ASTM D638
Tensile Strength ² (Break)	8000 psi	55.2 MPa	ASTM D638
Tensile Elongation ² (Break)	8.0 %	8.0 %	ASTM D638
Flexural Modulus	350000 psi	2410 MPa	ASTM D790
Flexural Strength	12000 psi	82.7 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.250 in (6.35 mm), Injection Molded	2.5 ft·lb/in	130 J/m	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	250 °F	121 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	550 to 600 °F	288 to 316 °C
Mold Temperature	250 °F	121 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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