



LubriOne™ PC-000/05T Ice Green

Polycarbonate

Key Characteristics

Product Description	
PC compound with PTFE lubricated.	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• Fluoropolymer, 5.0% Filler by Weight
Additive	• PTFE Lubricant (5%)
Features	• Self Lubricating
Uses	• Household Goods • Printer Parts • Transmission Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Green
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.22	1.22	ASTM D792
Molding Shrinkage - Flow	9.0E-3 to 0.012 in/in	0.90 to 1.2 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²			ASTM D638
73°F (23°C), 0.126 in (3.20 mm)	7980 psi	55.0 MPa	
Flexural Modulus ³			ASTM D790
73°F (23°C), 0.126 in (3.20 mm)	319000 psi	2200 MPa	
Flexural Strength ³			ASTM D790
73°F (23°C), 0.126 in (3.20 mm)	12300 psi	85.0 MPa	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	2.2 ft-lb/in	120 J/m	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	248 to 266 °F	120 to 130 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	554 to 590 °F	290 to 310 °C
Mold Temperature	194 to 230 °F	90.0 to 110 °C

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Notes¹ Typical values are not to be construed as specifications.² 2.0 in/min (50 mm/min)³ 0.051 in/min (1.3 mm/min)**CONTACT INFORMATION****Americas**United States - Avon Lake
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