

# LubriOne™ PC-000/05T-2S

Polycarbonate

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	Lubricated		
Uses	Appliance Components		
	Conveyor Parts		
	Printer Parts		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60	%	ASTM D955
Water Absorption			ASTM D570
24 hr, 0.508 mm	0.15	%	
Saturation, 0.508 mm	0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	2410	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	60.7	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	7.0	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	210	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	127	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	

Processing (Melt) Temp	288 to 316	°C
Mold Temperature	54.4 to 121	°C
NOTE		
1.	Type I, 5.1 mm/min	
2.	Type I, 5.1 mm/min	
3.	Type I, 5.1 mm/min	

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Recommended distributors for this material

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