

# LubriOne™ PC-000/20T Black

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			
UL YellowCard	E76261-101413966		
Features	Low friction coefficient		
	Good wear resistance		
	Lubrication		
Uses	Gear		
	Conveyor accessories		
	Industrial application		
	Roller		
	Pulley		
	Home appliance components		
	Application in Automobile Field		
	Business equipment		
	Consumer goods application field		
	Printing machine parts		
Appearance	Black		
	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	50.0	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	2150	MPa	ASTM D790
Flexural Strength <sup>3</sup>	75.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	130	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	127	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm	HB		UL 94
3.0 mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	80	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	Type 1, 50mm/min		
2.	1.3 mm/min		
3.	1.3 mm/min		

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#### Recommended distributors for this material

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