

# LubriOne™ ATC-000/20T BLACK UV

Acetal (POM) Copolymer

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	Good Wear Resistance		
	Lubricated		
Uses	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			
Flow	1.9	%	ISO 294-4
Across Flow	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2250	MPa	ISO 527-2
Tensile Stress (Break)	42.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	40	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	180 to 210	°C	
Mold Temperature	60.0 to 100	°C	

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Recommended distributors for this material

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