



LubriOne™ AT-000/18T-2S BLK

Acetal (POM) Copolymer

Key Characteristics

Product Description	
PTFE and silicone lubricated Co-POM compounds	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Copolymer • Low Friction • Lubricated • Wear Resistant
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.47	1.47	ASTM D792
Molding Shrinkage - Flow	0.020 to 0.030 in/in	2.0 to 3.0 %	ASTM D955
Molding Shrinkage - Across Flow	0.010 to 0.030 in/in	1.0 to 3.0 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	5800 psi	40.0 MPa	ASTM D638
Flexural Modulus ³	252000 psi	1740 MPa	ASTM D790
Flexural Strength ³	9100 psi	62.7 MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.10	0.10	
vs. Steel - Static	0.18	0.18	
Taber Abrasion Resistance			ASTM D3884
1000 Cycles, 1000 g, H-18 Wheel	120 mg	120 mg	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	0.70 ft·lb/in	37 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.250 in (6.35 mm)	304 °F	151 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.250 in (6.35 mm)	178 °F	81.1 °C	
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	

Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.050 in/min (1.3 mm/min)

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