



# LubriOne™ AT-000/15T NATURAL

## Acetal (POM) Copolymer

### Key Characteristics

Product Description	
PTFE lubricated POM	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Filler / Reinforcement	• PTFE Micropowder
Features	• Lubricated
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.48	1.48	ASTM D792
Molding Shrinkage	1.9 to 2.1 %	1.9 to 2.1 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup>	7250 psi	50.0 MPa	ASTM D638
Flexural Modulus <sup>3</sup>	326000 psi	2250 MPa	ASTM D790
Flexural Strength <sup>3</sup>	10900 psi	75.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact (Injection Molded)	0.94 ft-lb/in	50 J/m	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	194 °F	90.0 °C	ASTM D648
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	176 to 194 °F	80.0 to 90.0 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	374 to 392 °F	190 to 200 °C
Mold Temperature	167 to 185 °F	75.0 to 85.0 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

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**Notes**<sup>1</sup> Typical values are not to be construed as specifications.<sup>2</sup> 2.0 in/min (50 mm/min)<sup>3</sup> 0.051 in/min (1.3 mm/min)**CONTACT INFORMATION****Americas**United States - Avon Lake  
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