

**PolyOne Lubri-Tech™ ATH-000/5T Acetal-Homopolymer, PTFE Lubricated (discontinued \*\*)**

Category : Polymer , Thermoplastic , Acetal (POM)

**Material Notes:**

Description/Features:PTFE LubricatedInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-ATH-0005T-Acetal-Homopolymer-PTFE-Lubricated-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-ATH-0005T-Acetal-Homopolymer-PTFE-Lubricated-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.435 g/cc	1.435 g/cc	ASTM D792
Water Absorption	0.010 % @Thickness 3.17 mm	0.010 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.2 MPa	8000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	8.0 %	8.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.83 GPa	410 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.30 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Surface Resistivity per Square	1.00e+17 ohm	1.00e+17 ohm	ASTM D257

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