

**PolyOne Lubri-Tech™ ATH-000/02T Homopolymer - 2% PTFE (discontinued \*\*)**

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, PTFE-Filled

**Material Notes:**

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-ATH-00002T-Homopolymer-2-PTFE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-ATH-00002T-Homopolymer-2-PTFE-nbspdiscontinued-.php)

| Physical Properties   | Metric              | English                   | Comments          |
|-----------------------|---------------------|---------------------------|-------------------|
| Density               | 1.42 g/cc           | 0.0513 lb/in <sup>3</sup> | ASTM D792         |
| Water Absorption      | 0.010 %             | 0.010 %                   | 24 hrs. ASTM D570 |
| Linear Mold Shrinkage | 0.010 - 0.020 cm/cm | 0.010 - 0.020 in/in       | ASTM D955         |
|                       | @Thickness 3.17 mm  | @Thickness 0.125 in       |                   |

| Mechanical Properties      | Metric             | English               | Comments  |
|----------------------------|--------------------|-----------------------|-----------|
| Tensile Strength, Ultimate | 59.0 MPa           | 8560 psi              | ASTM D638 |
| Elongation at Break        | 3.0 - 8.0 %        | 3.0 - 8.0 %           | ASTM D638 |
| Tensile Modulus            | 3.00 GPa           | 435 ksi               | ASTM D638 |
| Flexural Yield Strength    | 86.0 MPa           | 12500 psi             | ASTM D790 |
| Flexural Modulus           | 3.00 GPa           | 435 ksi               | ASTM D790 |
| Izod Impact, Notched       | 0.480 - 0.800 J/cm | 0.899 - 1.50 ft-lb/in | ASTM D256 |
|                            | @Thickness 6.35 mm | @Thickness 0.250 in   |           |

| Electrical Properties  | Metric          | English         | Comments  |
|------------------------|-----------------|-----------------|-----------|
| Electrical Resistivity | 1.00e+16 ohm-cm | 1.00e+16 ohm-cm | ASTM D257 |
| Surface Resistance     | 1.00e+16 ohm    | 1.00e+16 ohm    | ASTM D257 |

| Processing Properties | Metric         | English      | Comments |
|-----------------------|----------------|--------------|----------|
| Melt Temperature      | 188 - 216 °C   | 370 - 421 °F | Stock    |
| Mold Temperature      | 60.0 - 71.0 °C | 140 - 160 °F |          |
| Drying Temperature    | 71.0 °C        | 160 °F       |          |

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