

PolyOne Lubri-Tech™ AT-000/20T Copolymer Acetal - 20% PTFE Lubricated (discontinued **)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-AT-00020T-Copolymer-Acetal-20-PTFE-Lubricated-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D792
Water Absorption	0.18 % @Thickness 3.17 mm	0.18 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.020 - 0.023 cm/cm	0.020 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.8 MPa	6500 psi	Type 1 - Rigids, Yield, 0.2 in/min; ASTM D638
Elongation at Break	7.0 - 9.0 %	7.0 - 9.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.24 GPa	325 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	72.4 MPa	10500 psi	ASTM D790
Flexural Modulus	2.24 GPa	325 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.900 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256
Coefficient of Friction	0.30	0.30	vs Steel; ASTM D1894
Coefficient of Friction, Static	0.18	0.18	vs Steel; ASTM D1894

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	154 °C	310 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	188 - 210 °C Metric	370 - 410 °F English	Molding Comments
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