

PolyOne Lubri-Tech™ ATH-000/05M Acetal Homopolymer - 5% MoS2 (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-ATH-00005M-Acetal-Homopolymer-5-MoS2-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in³	ASTM D792
Water Absorption	0.050 %	0.050 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.020 - 0.025 cm/cm @Thickness 3.17 mm	0.020 - 0.025 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	34.0 MPa	4930 psi	ASTM D638
Elongation at Break	2.0 - 6.0 %	2.0 - 6.0 %	ASTM D638
Tensile Modulus	2.60 GPa	377 ksi	ASTM D638
Flexural Yield Strength	34.0 MPa	4930 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.530 - 0.800 J/cm @Thickness 6.35 mm	0.993 - 1.50 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	127 °C	261 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 216 °C	379 - 421 °F	Stock
Mold Temperature	71.0 °C	160 °F	
Drying Temperature	71.0 °C	160 °F	

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