

Ensinger Tecaform™ SD Acetal (POM)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Ensinger-Hyde static dissipative acetal contains no carbon fibers or powders and is generally accepted for clean room use. With its surface resistivity of 109 to 1011 ohm/square and its excellent bearing and wear characteristics, TECAFORM™ SD is ideal for moving components which may experience frictional or fluid-flow static charges. Information Provided by Ensinger Industries, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Tecaform-SD-Acetal-POM.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
	@Temperature 22.8 °C, Time 86400 sec	@Temperature 73.0 °F, Time 24.0 hour	
Water Absorption at Saturation	0.20 %	0.20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.5 MPa	6600 psi	ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Flexural Strength	48.3 MPa	7000 psi	ASTM D790
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	ASTM D256
Coefficient of Friction, Dynamic	0.18	0.18	50 fpm
	@Pressure 0.276 MPa	@Pressure 40.0 psi	
Coefficient of Friction, Static	0.11	0.11	
	@Pressure 0.276 MPa	@Pressure 40.0 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	82.2 °C	180 °F	continuous
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Base Material	Acetal	

Contact Songhan Plastic Technology Co.,Ltd.

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