

Ensinger Tecaform™ AH ID Metal Detectable Acetal Copolymer (POM)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

TECAFORM™ AH ID is the first commercially available acetal that is fully detectable by standard metal detection equipment. Exhibiting excellent machinability and a good combination of physical properties along with FDA compliance, TECAFORM AH ID is ideal for enhancing product safety in food processing applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Tecaform-AH-ID-Metal-Detectable-Acetal-Copolymer-POM.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D790
Water Absorption	0.22 %	0.22 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Water Absorption at Saturation	0.65 %	0.65 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	86	86	ASTM D785
Tensile Strength, Yield	64.0 MPa	9280 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Tensile Modulus	2.80 GPa	406 ksi	ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790
Compressive Strength	31.0 MPa	4500 psi	ASTM D695
Izod Impact, Unnotched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Coefficient of Friction, Dynamic	0.21	0.21	40 psi, 50 fpm; ASTM D3702
K (wear) Factor	131 x 10 ⁻⁸ mm ³ /N-M	65.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	40 psi, 50 fpm
Limiting Pressure Velocity	0.0507 MPa-m/sec	1450 psi-ft/min	ASTM D792

Thermal Properties	Metric	English	Comments
CTE, linear	110 µm/m-°C	61.0 µin/in-°F	ASTM D696
Melting Point	165 °C	329 °F	ASTM D2133

Maximum Service Temperature, Air Thermal Properties	100 °C Metric	212 °F English	Continuous; UL746B Comments
	141 °C	285 °F	Intermittent
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ASTM D648
Flammability, UL94	HB	HB	UL 94

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+12 ohm	1.00e+12 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China