

## Ensinger Tecaform™ SAN Polyacetal (POM)

Category : Polymer , Thermoplastic , Acetal (POM)

### Material Notes:

TECAFORM™ (Polyacetal) and TECAPRO™ SAN (Polypropylene), provide an additional safety factor in reducing incidence of bacterial contamination. The raw materials are charged with an antimicrobial additive. These silver ions are released gradually to reduce the formation of bacterial. Less bacterial contamination Reduced odor and biofilm formation Diminished formation of bacteria in equipment Active components are harmless to humans Scrubbing surface renews antimicrobial effect FDA conformity of raw material, color pigments and antimicrobial additive TECAFORM™ SAN and TECAPRO™ SAN are ideal where continual sanitary and anti bacterial conditions are a requirement. Excellent for components in food processing equipments, bottling and canning machines, water handling and filtration equipment. Door handels and buttons in public places would benefit from reduction in transfer of bacteria. TECAPRO™ SAN is especially effective in surgical instruments, trays, work surfaces and cutting boards in medical as well as food storage and preparation areas. Information Provided by Ensinger Industries, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ensinger-Tecaform-SAN-Polyacetal-POM.php](http://www.lookpolymers.com/polymer_Ensinger-Tecaform-SAN-Polyacetal-POM.php)

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in³	
Moisture Absorption at Equilibrium	<= 0.30 % @Temperature 22.8 °C	<= 0.30 % @Temperature 73.0 °F	equilibrium, 50% RH; ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	75	75	ASTM D790
Ball Indentation Hardness	144.96 MPa	21025 psi	ISO 2039/1,2
Tensile Strength, Yield	54.99 MPa	7975 psi	ASTM D638, DIN EN ISO 527
Elongation at Break	30 %	30 %	ASTM D638, ISO 527
Tensile Modulus	2.10 GPa	304 ksi	ASTM D638, ISO 527
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790, ISO 178
Izod Impact Resistance	NB	NB	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	99.0 µm/m-°C	55.0 µin/in-°F	ASTM D696, DIN 53 752, ASTM E831
Melting Point	165 °C	329 °F	DIN 53 736
Maximum Service Temperature, Air	100 °C	212 °F	Long Term

Thermal Properties	140 °C Metric	284 °F English	Sort Term Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	ISO - 75/A
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257, EC 93, DIN IEC 60093

## Contact Songhan Plastic Technology Co.,Ltd.

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