

## Ensinger DELRIN® 570 Acetal, 20% Glass Filled (POM)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Glass Fiber Reinforced

### Material Notes:

DELRIN®570 Shapes manufactured by Ensinger are 20% glass filled materials intended for general industrial use. The material offers very high stiffness, low warpage, and low creep for superior part performance under stress.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ensinger-DELRIN-570-Acetal-20-Glass-Filled-POM.php](http://www.lookpolymers.com/polymer_Ensinger-DELRIN-570-Acetal-20-Glass-Filled-POM.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ASTM D792
Density	1.49 g/cc	0.0540 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.15 % @Time 86400 sec	0.15 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	81	81	ASTM D785
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Tensile Modulus	4.65 GPa	675 ksi	ASTM D638
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	ASTM D3418
Maximum Service Temperature, Air	85.0 °C	185 °F	long term
	149 °C	300 °F	intermittent
Deflection Temperature at 1.8 MPa (264 psi)	155 °C	311 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Surface Resistance	2.00e+15 ohm	2.00e+15 ohm	ASTM D257
Dielectric Constant	3.8 @Frequency 1.00e+6	3.8 @Frequency 1.00e+6	ASTM D150

Electrical Properties	Hz Metric	Hz English	Comments
Dielectric Strength	17.8 kV/mm @Thickness 3.20 mm, Temperature 23.0 °C	452 kV/in @Thickness 0.126 in, Temperature 73.4 °F	ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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