

Delrin® Stock Shapes 570

Acetal (POM) Homopolymer

Ensinger Inc.

Message:

DELIRIN® 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.

DELIRIN® 570 is used in a variety of industries such as automotive or construction where added strength and stiffness are desirable.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Good dimensional stability		
	Low warpage		
	Rigidity, high		
	Machinable		
Uses	Industrial application		
	Architectural application field		
	Application in Automobile Field		
Forms	Shapes		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	81		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4650	MPa	ASTM D638
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Strain (Yield)	8.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	155	°C	ASTM D648
Peak Melting Temperature	175	°C	ASTM D3418
Service Temperature			
Intermittent	149	°C	
Long Term	85	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+15	ohms	ASTM D257
Dielectric Strength (23°C, 3.20 mm)	18	kV/mm	ASTM D149

Dielectric Constant (23°C, 1 MHz)	3.80		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			

Data obtained from extruded shapes material.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

