

**Delrin® 570
(20% Glass Fiber Filled Acetal)**

Delrin® 570 is a homopolymer acetal containing 20% glass fiber filler. Delrin® 570 has very high stiffness, low warpage, and low creep for superior performance at elevated temperatures.

Property	Test Method	Units	Delrin® 570
Physical			
Specific Gravity	ISO 1183	g/cc	1.56
Water Absorption Equilibrium, 50% RH Saturation, immersed	ISO 62, Similar to	%	0.1
		%	0.8
Mechanical			
Stress at Break	ISO 527-1/-2	psi	8,500
Strain at Break	ISO 527-1/-2	%	12
Tensile Modulus	ISO 527-1/-2	psi	870,000
Flexural Modulus	ISO 178	psi	725,000
Notched Izod Impact Strength	ISO 180/1A	ft-lb/in ²	2.85
Notched Charpy Impact Strength -22 °F 73 °F	ISO 179/1eA	ft-lb/in ²	1.43
		ft-lb/in ²	1.9
Unnotched Charpy Impact Strength -22 °F 73 °F	ISO 179/1eU	ft-lb/in ²	23.8
		ft-lb/in ²	25.7
Thermal			
Deflection Temperature @ 66 psi @ 264 psi	ISO 75-1/-2	°F	329
		°F	266
Melting Temperature, 50 °F/min	ISO 11357-1/-3	°F	352
Electrical			
Surface Resistivity	IEC 60093	ohm	>10 ¹⁵
Relative Permittivity 100 Hz 1 GHz	IEC 60250		3.9
			3.9
Volume Resistivity	IEC 60093	ohm-cm	10 ¹⁵
Dissipation Factor, 1 GHz	IEC 60250	E-4	50

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets. All values at 73°F (23°C) unless otherwise noted.