

# Acetal 20% Glass-Filled/Delrin 570

Delrin 570 is a homopolymer acetal containing 20% glass fiber filler with medium viscosity. It has excellent stiffness, low warpage, and low creep for superior performance at elevated temperatures.

## Applications

Delrin 570 is desirable in the automotive and construction industries, fixture construction, and gear manufacturing. Drone components and medical devices, such as heart valves, are also some examples of applications.

## Key Product Benefits

- High Strength and Stiffness
- Temperature Resistance
- Low Warpage and Creep
- Machinability
- Excellent Dimensional Stability

## Properties

Property	Test Method	Value
Density	ASTM D792	1.56 g/cm <sup>3</sup>
Tensile Modulus	ASTM D638	340,000 psi
Tensile Strength @ Yield	ASTM D638	8,700 psi
Elongation @ Yield	ASTM D638	10%
Elongation @ Break	ASTM D638	12%
Flexural Modulus	ASTM D790	667,000 psi
Izod Impact, Notched	ASTM D256	300,000-313,000 psi
Rockwell Hardness (M Scale)	ASTM D785	81
Melting Point		347°F
Heat Deflection Temperature @ 264 psi	ASTM D648	311°F
Heat Deflection Temperature @ 66 psi	ASTM D648	329°F
Service Temperature (Long Term)		185°F
Service Temperature (Intermittent)		300°F
Specific Surface Resistance	ASTM D257	2 × 10 <sup>17</sup> ohm
Dielectric Strength	ASTM D149	452 V/mil
Dielectric Constant @ 100 MHz	ASTM D150	3.8
Moisture Absorption @ 24 hours	ASTM D570	0.15%
Flammability	UL 94	HB