

DELRIN® 570 - 20% glass fiber filled

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.



- **Very good dimensional stability**
- **Glass fibers offer stiffness but not reinforcement**
- **Good machinability**

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

	Properties	Condition	Value		Test Method	Comment
Mechanical	Modulus of elasticity (tensile test)		340,000	psi	ASTM D 638	
	Tensile strength at yield		8,700	psi	ASTM D 638	
	Elongation at yield		10	%	ASTM D 638	
	Notched impact strength (Izod)		0.80	ft-lbs/in	ASTM D 265	
	Rockwell hardness	M Scale	81	%	ASTM D 785	
Thermal	Melting temperature		347	°F	1)	1) Injection molded data
	Deflection temperature	@ 264 psi	311	°F	ASTM D 648 1)	
	Service temperature	Long term	185	°F	-	
	Service temperature	Intermittent	300	°F	-	
Electrical	Specific surface resistance	@ 73°F	200e+15	Ω	ASTM D 257 1)	
	Dielectric strength	@ 73°F	452	V/mil	ASTM D 149 1)	
	Dielectric constant	@ 100 MHz; 73°F	3.8		ASTM S 150 1)	
Other	Moisture absorption	@ 24 hrs, 73°F	0.15	%	ASTM D 570	
	Flammability (UL94)		HB		2)	2) Injection molded data (1.5mm thick)

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