

## G-10 EPOXY/GLASS

A continuous filament glass cloth epoxy resin with excellent electrical and mechanical properties. G-10 qualities are high flexural bond and impact strength. Superior resistance to humid or moist conditions. Suitable for cryogenic applications.

**Application:** Insulating gaskets, washers, sleeves and spacers for electro/mechanical applications.

Engineering Data			
Property	Test Condition	Units	Typical Value
Density	A	gms/cc	1.78
Specific Volume	A	cu in/lb	15.6
Tensile Strength			
Lengthwise		psi	48,000
Crosswise		psi	44,000
Flexural Strength	E-1/150		
Lengthwise		psi	72,000
Impact Strength	A	ft-lb/in	notch
Izod, Edgewise			
Lengthwise			14.4
Crosswise			10.6
Compressive Strength	A	psi	60,000
Rockwell Hardness	A	M scale	
Bond Strength (1/2")	A	lb	2,500
Dielectric Strength (parallel)	A	kv	65
Dielectric Constant	A		4.8
Dissipation Factor	A	@ 1 MHz	0.0119
Arc Resistance		sec	100
Dielectric Volts/Mil (1/8" thick)			570
Thermal Expansion		/°F	
Water Absorption	D-24/23	percent	
0.062			0.09%
0.125			0.06%
Heat Resistance			
Short Term		°F	350
Continuous		°F	250
Cold Resistance		°F	-200

Values shown are for test samples made from production materials and are believed to be representative. **THERE IS NO WARRANTY, EXPRESSED, OR IMPLIED.** The purchaser/end user assumes all responsibility for testing and determining the suitability of any material for its intended use.