

## Hi-Temp HTG-3

High Temperature G-3 is a heat resistant laminate made from fiberglass cloth saturated with a high-temperature phenolic resin. High Temperature G-3 has a high mechanical strength, excellent heat resistance, and low thermal expansion.

**Application:** Insulating gaskets and washers.

Engineering Data			
Property	Test Condition	Units	Typical Value
Density	A	gms/cc	1.88
Specific Volume	A	cu in/lb	20.5
Flexural Strength	A		
Lengthwise		psi	61,500
Crosswise		psi	59,000
Flexural Strength	E-1/150		
Lengthwise		psi	50,000
Impact Strength	A	ft-lb/in	notch
Izod, Edgewise			
Lengthwise			20
Crosswise			15
Compressive Strength	A	psi	60,000
Rockwell Hardness	A	M scale	110
Bond Strength (1/2")	A	lb	1,800
Dielectric Strength (parallel)	A	kv	55
Dielectric Constant	A		6.35
Dissipation Factor	A	@ 1 MHz	0.022
Arc Resistance		sec	100
Dielectric Volts/Mil	1/8" thick		600
Thermal Expansion		/°F	5 E-5
Water Absorption	D-24/23	percent	
0.062			0.28
0.125			0.15
Heat Resistance			
Short Term		°F	600
Continuous		°F	450

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.