

## Acculam<sup>®</sup> Epoxyglas G10 nonFR Product Data Sheet

### Product Description

Acculam<sup>®</sup> Epoxyglas G10 nonFR - Laminate sheet comprised of a halogen free epoxy resin binder and a woven fiberglass substrate. It qualifies to NEMA G10 and MIL-I-24768/2.

### Typical Applications

This material exhibits high mechanical strength and electrical insulating qualities under both dry and humid conditions. Its ease of fabrication allows its use in many structural and cryogenic applications where halogenated compounds may be undesirable..

### Typical Properties

#### Physical Data

	<u>Typical Value</u>	<u>Units</u>
Specific Gravity/Density	1.85	g/cm <sup>3</sup>
Water Absorption -.125"	< .10	%
Temperature Index	140 \ 284	°C \ °F
Rockwell Hardness	110	M scale
Bond Strength	> 2,200 \ 1,000	lbs \ kgs
Flexural Strength-LW-A-.125"	> 65,000 \ 448	PSI \ MPa
Flexural Strength-CW-A-.125"	> 50,000 \ 345	PSI \ MPa
Izod Impact Strength-LW	> 10	ft-lbs/in
Izod Impact Strength-CW	> 8	ft-lbs/in
Compressive Strength-Flatwise	> 60,000 \ 415	PSI \ MPa

#### Electrical Data

Dielectric Breakdown-A	> 50	kV
Dielectric Breakdown-D48/50	> 50	kV
Permittivity-A	4.8	
Permativity-D24/23	4.8	
Dissipation Factor-A	0.017	
Dissipation Factor-D24/23	0.018	

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