

Acculam® Epoxyglas G10 / CR Product Data Sheet

Typical Properties	Typical Value	Units
Physical Data		
Specific Gravity	1.85	---
Water Absorption -.125"	<0.1	%
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	Inches
Permittivity -D24/23	4.8	---
Dissipation Factor -A	0.017	
Dissipation Factor -D24/23	0.018	---

Product Description: Acculam® Epoxyglas G10 CR - Laminate sheet comprised of a halogen free epoxy resin binder and a woven fiberglass substrate.

Typical Applications: This material exhibits high mechanical strength and electrical insulating qualities under both dry, humid and extreme temperature conditions. Developed for use in cryogenic applications, including liquid nitrogen and for use in superconducting magnets. ***Under normal atmospheric pressure, nitrogen can exist as a liquid between 63 & 77.2 Kelvin (-346F & 320.44F). Below 63 K, nitrogen freezes into a solid. Above 77.2K, it boils into a gas.***

• **QUALITY** • **VALUE** • **SPEED** • **ACCURATE**

Accurate provides this data as information only and does not imply any warranty for its use or application.