

# Acculam™ Epoxyglas G10 nonFR

Epoxy; Epoxide  
Accurate Plastics, Inc.

Message:

Acculam® 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.  
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.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Electrically Insulating		
	Good Processability		
	Halogen Free		
	High Strength		
Uses	Laminates		
	Sheet		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr, 3.18 mm)	< 0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength			ASTM D790
3.18 mm <sup>1</sup>	> 345	MPa	
3.18 mm <sup>2</sup>	> 448	MPa	
Compressive Strength <sup>3</sup>	> 414	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- <sup>4</sup>	> 430	J/m	
-- <sup>5</sup>	> 530	J/m	
Thermal	Nominal Value	Unit	
Temperature Index	140	°C	
Dielectric Breakdown			
-- <sup>6</sup>	> 50000	V	
A	> 50000	V	
Bond Strength	> 1.0E+6	g	
Electrical	Nominal Value	Unit	Test Method

Relative Permittivity <sup>7</sup>	4.80	IEC 60250
Dissipation Factor		ASTM D150
-- <sup>8</sup>	0.018	
-- <sup>9</sup>	0.017	

NOTE		
1.	CW-A	
2.	LW-A	
3.	Flatwise	
4.	CW	
5.	LW	
6.	D48/50	
7.	D24/23	
8.	D24/23	
9.	A	

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### Recommended distributors for this material

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