



Acculam® Melaglas G5, G9 Product Data Sheet

Product Description

Acculam® Melaglas G5/ G9 - Laminate sheet comprised of flame retardant melamine resin and a woven fiberglass glass substrate. It qualifies to NEMA G5/G9 and MIL-I-24768/1/8.

Typical Applications

This material has high strength and excellent arc resistance and electrical insulating properties which allows it to be used as mechanical support in electrical equipment, switchgear, and slot wedges where Class "B" insulation is required.

Typical Properties

Physical Data

	<u>Typical Value</u>	<u>Units</u>
Specific Gravity	1.90	
Water Absorption-.125"	< 0.70	%
Temperature Index	140 \ 284	°C \ °F
Rockwell Hardness	120	M scale
Bond Strength	> 1700 \ 772	LBS \ kgs
Flexural Strength-LW-A-.125"	> 55,000 \ 380	PSI \ MPa
Flexural Strength-CW-A-.125"	> 38,000 \ 262	PSI \ MPa
Izod Impact Strength-LW	> 10	ft-lbs/in
Izod Impact Strength-CW	> 8	ft-lbs/in
Compressive Strength-Flatwise	> 70,000 \ 483	PSI \ MPa

Electrical Data

Dielectric Breakdown-A	> 60	kV
Dielectric Breakdown-D48/50	> 55	kV
Permittivity-A	< 7.0	
Arc Resistance-A	> 180	SEC
Dissipation Factor-A	0.017	
Dissipation Factor-D24/23	0.018	

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