

Acculam™ Melaglas G5/G9

Melamine Phenolic
Accurate Plastics, Inc.

Message:

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.
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.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Arc Resistant		
	Electrically Insulating		
	Flame Retardant		
	High Strength		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
	Insulation		
	Laminates		
	Sheet		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Water Absorption (24 hr, 3.18 mm)	< 0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength			ASTM D790
3.18 mm ¹	> 262	MPa	
3.18 mm ²	> 379	MPa	
Compressive Strength ³	483	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- ⁴	> 430	J/m	
-- ⁵	> 530	J/m	
Thermal	Nominal Value	Unit	
Temperature Index	140	°C	
Dielectric Breakdown			
A	> 60000	V	

D48/50	> 55000	V	
Bond Strength	> 770000	g	
Electrical	Nominal Value	Unit	Test Method
Relative Permittivity ⁶	7.00		IEC 60250
Dissipation Factor			ASTM D150
-- ⁷	0.018		
-- ⁸	0.017		
Arc Resistance	180	sec	ASTM D495

NOTE

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

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Recommended distributors for this material

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