

Acculam™ Phenolfab G3

Phenolic

Accurate Plastics, Inc.

Message:

Acculam® Phenolglas G3 - Laminate sheet comprised of a high temperature phenolic resin binder and a woven fiberglass substrate. It qualifies to NEMA G-3 and MIL-I-24768/18.

This material has good heat resistance, high mechanical strength and low thermal expansion. It finds applications in motor slot insulation, valve plates, and other applications requiring good thermal insulation characteristics.

General Information			
Filler / Reinforcement	Glass Fiber,3.0% Filler by Weight		
Features	High Heat Resistance		
	High Strength		
	Thermally Insulating		
Uses	Insulation		
	Laminates		
	Sheet		
	Valves/Valve Parts		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85	g/cm ³	ASTM D792
Water Absorption (24 hr, 3.18 mm)	< 2.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength			ASTM D790
3.18 mm ¹	> 207	MPa	
3.18 mm ²	> 276	MPa	
Compressive Strength ³	345	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- ⁴	> 370	J/m	
-- ⁵	> 480	J/m	
Thermal	Nominal Value	Unit	
Temperature Index	170	°C	
Dielectric Breakdown - A	> 50000	V	
Bond Strength	> 390000	g	
NOTE			
1.	CW-A		

2.	LW-A
3.	Flatwise
4.	CW
5.	LW

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

