

Acculam® Phenolkraft Paper XX, XXX

Product Data Sheet

Product Description

Acculam® Phenolfab XX/ XXX - Laminate sheet comprised of a phenolic resin and a high alpha saturating paper substrate. It qualifies to NEMA XX/XXX and MIL-I-24768/10/11.

Typical Applications

This material has excellent machining characteristics, low moisture absorption and excellent dimensional stability. It is used in switchgear, relay spacers, power transformer insulating applications as well as numerous mechanical areas.

Typical Properties

Physical Data

	<u>Typical Value</u>	<u>Units</u>
Specific Gravity	1.34	
Water Absorption-.125"	< 0.9	%
Temperature Index	140 \ 284	°C \ °F
Rockwell Hardness	110	M scale
Bond Strength	> 950 \ 431	LBS \ kgs
Flexural Strength-LW-A-.125"	> 18,000 \ 124	PSI \ MPa
Flexural Strength-CW-A-.125"	> 16,000 \ 110	PSI \ MPa
Izod Impact Strength-LW	> .50	ft-lbs/in
Izod Impact Strength-CW	> .40	ft-lbs/in
Compressive Strength-Flatwise	> 32,000 \ 221	PSI \ MPa

Electrical Data

Dielectric Breakdown-A	> 50	kV
Dielectric Breakdown-D48/50	> 6.0	kV
Permittivity-A	< 5.30	
Permativity-D24/23	< 5.70	
Dissipation Factor-A	< .038	
Dissipation Factor-D24/23	< .045	

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