

Acculam[®] Phenolkraft Paper X, XX Product Data Sheet

Product Description

Acculam[®] Phenolkraft X/ XX - Laminate sheet comprised of a phenolic resin binder and a saturating kraft (paper) substrate. It qualifies to NEMA X/XX and MIL-I-24768/11/12.

Typical Applications

This is a general purpose grade with good mechanical and electrical insulating properties. Its versatility, good machining characteristics and lower cost encourage its applications as switch plates, barriers, terminal strips, washers and other electrical components.

Typical Properties

Physical Data

	<u>Typical Value</u>	<u>Units</u>
Specific Gravity/Density	1.36	g/cm ³
Water Absorption -.125"	< 1.30	%
Temperature Index	140 \ 284	°C \ °F
Rockwell Hardness	110	M scale
Bond Strength	> 800 \ 363	lbs \ kgs
Flexural Strength-LW-A-.125"	> 25,000 \ 172	PSI \ MPa
Flexural Strength-CW-A-.125"	> 22,000 \ 152	PSI \ MPa
Izod Impact Strength-LW	> .55	ft-lbs/in
Izod Impact Strength-CW	> .50	ft-lbs/in
Compressive Strength-Flatwise	> 34,000 \ 234	PSI \ MPa

Electrical Data

Dielectric Breakdown-A	> 40	kV
Dielectric Breakdown-D48/50	> 5.0	kV
Permittivity-A	< 5.50	
Permativity-D24/23	< 6.00	
Dissipation Factor-A	< .045	
Dissipation Factor-D24/23	< .050	

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