



## Acculam<sup>®</sup> Phenokraft Paper XX, XXX Product Data Sheet

### **Product Description**

Acculam<sup>®</sup> Phenokraft 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/Density	1.34	g/cm <sup>3</sup>
Water Absorption -.125"	< .90	%
Temperature Index	140 \ 284	°C \ °F
Rockwell Hardness	110	M scale
Bond Strength	> 950 \ 431	lbs \ kgs
Flexural Strength-LW-A-.125"	> 15,000 \ 103	PSI \ MPa
Flexural Strength-CW-A-.125"	> 14,000 \ 97	PSI \ MPa
Izod Impact Strength-LW	> .40	ft-lbs/in
Izod Impact Strength-CW	> .35	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	

*Accurate provides this data as information only and does not imply any warranty for its use or application.*