



## Acculam<sup>®</sup> Phenolfab Linen L, LE Product Data Sheet

### **Product Description**

Acculam<sup>®</sup> Phenolfab L/ LE - Laminate sheet comprised of a phenolic resin and a woven linen (cotton) substrate. This material qualifies to NEMA L/LE and MIL-I-24768/13/15.

### **Typical Applications**

This material's improved moisture resistance and machining characteristics allow its use in a wider range of electrical and structural applications than paper grades. Its finer weave fabric also allows for finer machined details & thinner sheets than grades C and CE.

### **Typical Properties**

#### Physical Data

	<b><u>Typical Value</u></b>	<b><u>Units</u></b>
Specific Gravity/Density	1.35	g/cm <sup>3</sup>
Water Absorption -.125"	< 1.30	%
Temperature Index	125 \ 257	°C \ °F
Rockwell Hardness	105	M scale
Bond Strength	1600 \ 843	lbs \ kgs
Flexural Strength-LW-A-.125"	> 16,500 \ 114	PSI \ MPa
Flexural Strength-CW-A-.125"	> 14,500 \ 100	PSI \ MPa
Izod Impact Strength-LW	> 1.25	ft-lbs/in
Izod Impact Strength-CW	> 1.00	ft-lbs/in
Compressive Strength-Flatwise	> 37,000 \ 255	PSI \ MPa

#### Electrical Data

Dielectric Breakdown-A	> 40	kV
Dielectric Breakdown-D48/50	> 3.0	kV
Permittivity-A	< 5.80	
Permativity-D24/23	< 6.00	
Dissipation Factor-A	< .055	
Dissipation Factor-D24/23	< .070	

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