

Acculam[®] Phenolfab Linen L, LE

Product Data Sheet

Product Description

Acculam[®] 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 materials good moisture resistance and machining characteristics allow its use in a wider range of electrical and structural applications than XX Grades. Its finer weave fabric also allows thinner thickness to be produced than C and CE Grades.

Typical Properties

Physical Data

	<u>Typical Value</u>	<u>Units</u>
Specific Gravity	1.35	
Water Absorption-.125"	< 1.3	%
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	N/A	
Dissipation Factor-A	< .055	
Dissipation Factor-D24/23	< .070	

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