

# Acculam™ Phenolfab Linen L/LE

Phenolic  
Accurate Plastics, Inc.

Message:

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.

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.

General Information			
Filler / Reinforcement	Cotton		
Features	Machinable		
	Moisture Resistant		
Uses	Electrical/Electronic Applications		
	Laminates		
	Sheet		
	Structural Parts		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr, 3.18 mm)	< 1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength			ASTM D790
3.18 mm <sup>1</sup>	> 100	MPa	
3.18 mm <sup>2</sup>	> 114	MPa	
Compressive Strength <sup>3</sup>	255	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- <sup>4</sup>	> 53	J/m	
-- <sup>5</sup>	> 67	J/m	
Thermal	Nominal Value	Unit	
Temperature Index	125	°C	
Dielectric Breakdown			
-- <sup>6</sup>	> 3000	V	
A	> 40000	V	
Bond Strength	730000	g	
Electrical	Nominal Value	Unit	Test Method

Relative Permittivity		IEC 60250
-- 7	6.00	
-- 8	5.80	
Dissipation Factor		ASTM D150
-- 9	0.070	
-- 10	0.055	

NOTE		
1.	CW-A	
2.	LW-A	
3.	Flatwise	
4.	CW	
5.	LW	
6.	D48/50	
7.	D24/23	
8.	A	
9.	D24/23	
10.	A	

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#### Recommended distributors for this material

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