

# Acculam™ Phenolkraft Paper XX/XXX

Phenolic  
Accurate Plastics, Inc.

Message:

Acculam® Phenolkraft 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.  
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.

General Information			
Filler / Reinforcement	Organic		
Features	Good Dimensional Stability		
	Low Moisture Absorption		
	Machinable		
Uses	Electrical Parts		
	Insulation		
	Laminates		
	Sheet		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr, 3.18 mm)	< 0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength			ASTM D790
3.18 mm <sup>1</sup>	> 96.5	MPa	
3.18 mm <sup>2</sup>	> 103	MPa	
Compressive Strength <sup>3</sup>	> 221	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- <sup>4</sup>	> 19	J/m	
-- <sup>5</sup>	> 21	J/m	
Thermal	Nominal Value	Unit	
Temperature Index	140	°C	
Dielectric Breakdown			
-- <sup>6</sup>	> 6000	V	
A	> 50000	V	
Bond Strength	> 430000	g	

Electrical	Nominal Value	Unit	Test Method
Relative Permittivity <sup>7</sup>	5.30		IEC 60250
Dissipation Factor			ASTM D150
-- <sup>8</sup>	< 0.050		
-- <sup>9</sup>	< 0.038		

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

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#### Recommended distributors for this material

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