

Acculam™ Phenolkraft Paper X/XX

Phenolic
Accurate Plastics, Inc.

Message:

Acculam® Phenolkraft X/ XX - Laminate sheet comprised of a phenolic resin binder and a saturating kraft (paper) substrate. It qualifies to NEMA X/XX and MIL-I-24768/11/12.

This is a general purpose grade with good mechanical and electrical insulating properties. Its versatility, good machining characteristics and lower cost encourage its applications as switch plates, barriers, terminal strips, washers and other electrical components.

General Information			
Filler / Reinforcement	Organic		
Features	Electrically Insulating		
	General Purpose		
	Machinable		
Uses	Electrical Parts		
	Laminates		
	Sheet		
	Washer		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Water Absorption (24 hr, 3.18 mm)	< 1.3	%	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 ¹	> 152	MPa	
3.18 mm ²	> 172	MPa	
Compressive Strength ³	234	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- ⁴	> 27	J/m	
-- ⁵	> 29	J/m	
Thermal	Nominal Value	Unit	
Temperature Index	140	°C	
Dielectric Breakdown			
-- ⁶	> 5000	V	
A	> 40000	V	
Bond Strength	> 360000	g	

Electrical	Nominal Value	Unit	Test Method
Relative Permittivity			IEC 60250
-- ⁷	6.00		
-- ⁸	5.50		
Dissipation Factor			ASTM D150
-- ⁹	0.050		
-- ¹⁰	0.045		
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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