



ISO 9001: 2008 - QUALITY ASSURANCE  
 Distributor & Fabricator of Engineered Plastic & Electrical Parts

## GRADE XXX PAPER PHENOLIC

Panels, Terminal Boards + Strips

Resistor Boards, Fuse Boards, Bus Supports

Tap Changer Brackets

Barriers, Switch Mountings

### Mechanical Properties

Specific Gravity	gm / cc			130
Tensile Strength	PSI	lengthwise		15,000
Tensile Strength	PSI	crosswise		12,000
Compressive Strength	PSI	flatwise		31,000
Flexural Strength	PSI	lengthwise		17,000
Flexural Strength	PSI	crosswise		14,000
Hardness	Rockwell (M)			110
Water Absorption	%	24 hrs	0.062 th	0.80
			0.125 th	0.50
			0.500 th	0.30
Heat Resistance / Maximum Constant Operating Temp				250

### Electrical Properties

Dielectric Strength	VPM	perpendicular	0.062 th	650
			0.125 th	500
Dielectric Constant	1 Mhz	Condition A		5.3

NEMA XXX is a Paper-Phenolic laminate with high Electrical value in applications requiring increased moisture resistance and bonding strength. It's high resin content provides good machineability and dimensional stability.

*Values are based on typical Test Methods and Conditions and published for Reference purposes only*