

NEMA XX - Industrial Laminate

Composition:

An electrical grade of paper laminate impregnated and cured with phenolic resin.

Sheet Sizes:

Sheet sizes of 36"x72", 36"x48", 48"x48", 48"x96" and 48"x108" in thicknesses: .031" to 2"
Cut and fabricated to shape.

Color:

Natural & black

Advantages:

NEMA XX is a good electrical insulator with fair mechanical strength. It can be used in dry or humid conditions for switchboard panels, relay and switch bases, breaker arms and barriers.

Specifications:

Density	83 lbs/ft ³ – 0.48 lbs/in ³
Maximum operating temperature	
electrical	284°F (140°C)
mechanical	284°F (140°C)
Water absorption	0.5%
Hardness (Rockwell M)	100
Compression strength	30,000 psi
Tensile strength	13,500 psi
Flexural strength	17,000 psi
Shear (flatwise)	10,000 psi
Impact strength – Izod edgewise with grain	0.55 ft-lb/in
Dielectric strength	500 volts/mil
Dielectric constant (@ 10 ⁶ cycles per second)	4.6
Volume resistivity	4 x 10 ⁵
Arc resistance	n/a
Parallel dielectric	60kv