

NEMA X - Industrial Laminate

Composition:

A mechanical 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 2.25"
Cut and fabricated to shape.

Color:

Natural & black

Advantages:

NEMA X is a low-cost general purpose laminate with high mechanical strength used for terminal boards, switch bases, washers, panels and other structural parts.

Specifications:

Density	88 lbs/ft ³ – 0.51 lbs/in ³
Maximum operating temperature	
electrical	266°F (130°C)
mechanical	266°F (130°C)
Water absorption	2.4%
Hardness (Rockwell M)	110
Compression strength	44,000 psi
Tensile strength	25,000 psi
Flexural strength	30,000 psi
Shear (flatwise)	14,000 psi
Impact strength – Izod edgewise with grain	0.8 ft-lb/in
Dielectric strength	450 volts/mil
Dielectric constant (@ 10 ⁶ cycles per second)	6.4
Volume resistivity	n/a
Arc resistance	n/a
Parallel dielectric	50kv