

NEMA LE - Industrial Laminate

Composition:

A mechanical/electrical grade of fine weave cotton cloth 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 5"
Cut and fabricated to shape.

Color:

Natural

Advantages:

NEMA LE is a moisture resistant, high mechanical strength electric insulator used as a marine relay bases, terminal bases, terminal strips and in electronic parts.

Specifications:

Density	86 lbs/ft ³ – 0.50 lbs/in ³
Maximum operating temperature	
electrical	239°F (115°C)
mechanical	257°F (125°C)
Water absorption	1.0%
Hardness (Rockwell M)	105
Compression strength	38,000 psi
Tensile strength	15,000 psi
Flexural strength	25,000 psi
Shear (flatwise)	14,000 psi
Impact strength – Izod edgewise with grain	1.5 ft-lb/in
Dielectric strength	350 volts/mil
Dielectric constant (@ 10 ⁶ cycles per second)	5.3
Volume resistivity	7.0 x 10 ⁴
Arc resistance	n/a
Parallel dielectric	70kv