

NEMA L - Industrial Laminate

Composition:

A mechanical 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 L is a high mechanical strength laminate used as fine tooth gears, terminal boards and in electronic parts.

Specifications:

Density	90 lbs/ft ³ – 0.52 lbs/in ³
Maximum operating temperature	
electrical	239°F (115°C)
mechanical	257°F (125°C)
Water absorption	1.3%
Hardness (Rockwell M)	100
Compression strength	36,000 psi
Tensile strength	11,500 psi
Flexural strength	19,000 psi
Shear (flatwise)	13,000 psi
Impact strength – Izod edgewise with grain	1.6 ft-lb/in
Dielectric strength	250 volts/mil
Dielectric constant (@ 10 ⁶ cycles per second)	n/a
Volume resistivity	n/a
Arc resistance	n/a
Parallel dielectric	25kv