

NEMA CE - Industrial Laminate

Composition:

A mechanical/electrical grade of medium 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 6"
Cut and fabricated to shape.

Color:

Natural

Advantages:

NEMA CE is an economy grade mechanical/electrical insulation that possesses good low frequency, low voltage electrical performance. It is used for gears, pinions, bearings, bushings, electronic parts and marine switchboard panels.

Specifications:

Density	90 lbs/ft ³ – 0.50 lbs/in ³
Maximum operating temperature	
electrical	239°F (115°C)
mechanical	257°F (125°C)
Water absorption	1.1%
Hardness (Rockwell M)	105
Compression strength	37,000 psi
Tensile strength	13,000 psi
Flexural strength	19,000 psi
Shear (flatwise)	10,000 psi
Impact strength – Izod edgewise with grain	1.8 ft-lb/in
Dielectric strength	200 volts/mil
Dielectric constant (@ 10 ⁶ cycles per second)	n/a
Volume resistivity	n/a
Arc resistance	n/a