

## TECHNICAL DATA SHEET

### NEMA GRADE LE

#### MIL-I-24768/13

Grade LE is constructed from a woven cotton fabric with a phenolic resin binder. The cotton fabric shall weigh less or equal to 4 ounces per square yard. The phenolic resin system is not flame retardant.

Sheet Size	36"x48", 48"x48" 48"x72", 48"x96"
Thickness Range	.031" – 3.000"

#### Physical Properties:

Density	0.048 lb/cu inch
Water Absorption	1.3%
Rockwell Hardness	105
Tensile Strength (with grain)	16,000 PSI
Compressive Strength (flatness)	38,000PSI
Flexural Strength	15,000PSI
Bonding Strength (1/2")	1,800lb
Impact Strength	1.5 ft-lb of notch
Shear Strength	14,000 PSI
Temperature Max	257F

#### Electrical Properties:

Dielectric Strength (short time)	350 VPM
Dissipation Factor	0.045
Dielectric Constant	5.4
Volume Resistivity (megaohms - cm)	7 x 10
Surface Resistivity (megaohms)	6 x 10
Parallel Dielectric (KV cond. A)	40

For in-house only. Data based on Mil-I-24768/13. Not for distribution.