

## TECHNICAL DATA SHEET

### NEMA GRADE CE

#### MIL-I-24768/14

Grade CE is constructed from a woven cotton fabric with a phenolic resin binder. The cotton fabric shall weigh more than 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	0.05 lb/cu inch
Water Absorption	1.6%
Rockwell Hardness	105
Tensile Strength (with grain)	13,000 PSI
Compressive Strength (flatness)	37,000PSI
Flexural Strength	17,000PSI
Bonding Strength (1/2")	1,800lb
Impact Strength	1.8 ft-lb of notch
Shear Strength	10,000 PSI
Temperature Max	257F

#### Electrical Properties:

Dielectric Strength (short time)	200 VPM
Dissipation Factor	N/A
Dielectric Constant	N/A
Volume Resistivity (megaohms - cm)	N/A
Surface Resistivity (megaohms)	N/A
Parallel Dielectric (KV cond. A)	N/A

For in-house only. Data based on Mil-I-24768/14. Not for distribution.