Certified ISO 9001:2015 and AS9100 D®

Material Specifications

ST Grade CE Phenolic

Density, gm/cc	1.33
Lbs per sq ft (1/8th)	0.9
Tensile Strength, PSI, lengthwise	12,000
Tensile Strength, PSI, crosswise	9,000
Compressive Strength, PSI, flatwise	39,000
Flexural Strength, PSI, lengthwise	22,000
Flexural Strength, PSI, crosswise	17,000
Hardness, Rockwell (M)	105
Dielectric Strength, VPM, perpendicular (1/16th)	500
(1/8th)	360
Water Absorption, % 24hrs (1/16th)	1.30
(1/8th)	0.90
(1/2)	0.50
Heat Resistance, degrees F, continuous	250
UL Flammability	94HB
Natural color	light to medium-brown

NEMA CE is similar to Grade C in resin-type, weight and thread-count of fabric, mechanical properties, machineability and overall appearance – but with improved Electrical value for use in general-purpose Electrical applications.
Along with Grade C, it is one of the most widely used Thermoset plastics in the industrial world.

N.B.: Values are based on typical Test Methods and Conditions and to be used for Engineering and Design Purposes only.

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