Certified ISO 9001:2015 and AS9100 D®

Material Specifications

ST Grade XXX Phenolic

Density, gm/cc	1.30
Lbs per sq ft (1/8th)	0.84
Tensile Strength, PSI, lengthwise	15,000
Tensile Strength, PSI, crosswise	12,000
Compressive Strength, PSI, flatwise	32,000
Flexural Strength, PSI, lengthwise	18,000
Flexural Strength, PSI, crosswise	14,000
Hardness, Rockwell (M)	110
Dielectric Strength, VPM, perpendicular (1/16th)	700
(1/8th)	500
Water Absorption, % 24hrs (1/16th)	0.80%
(1/8th)	0.50%
(1/2)	0.30%
Heat Resistance, degrees F, continuous	250

NEMA XXX is a paper-phenolic laminate with high electrical value for use in applications where dimensional stability and resistance to moisture and humidity are critical. It also has good mechanical value and machineability, both similar to lower-cost NEMA XX.

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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