Certified ISO 9001:2015 and AS9100 D®

Material Specifications

ST Grade L Phenolic

Density, gm/cc	1.35
Lbs per sq ft (1/8th)	0.9
Tensile Strength, PSI, lengthwise	14,000
Tensile Strength, PSI, crosswise	10,000
Compressive Strength, PSI, flatwise	35,000
Flexural Strength, PSI, lengthwise	23,000
Flexural Strength, PSI, crosswise	18,000
Hardness, Rockwell (M)	105
Dielectric Strength, VPM, perpendicular (1/16th)	200
(1/8th)	150
Water Absorption, % 24hrs (1/16th)	2.0
(1/8th)	1.4
(1/2)	0.8
Heat Resistance, degrees F, continuous	250

Grade L is a fine-weave cloth-phenolic. It has good mechanical properties with an emphasis on machineability and punchability for use in a variety of general-purpose applications where close-tolerance and detailed features are critical.
Most properties are closely similar to medium-weave laminates such as Grade C and CE, emphasis on machineability / punchability but with added availability in thin-gauges.

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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