Certified ISO 9001:2015 and AS9100 D®

Material Specifications

ST Grade G-9

Density, gm/cc	1.95
Lbs per sq ft (1/8th)	1.26
Tensile Strength, PSI, lengthwise	37,000
Tensile Strength, PSI, crosswise	30,500
Compressive Strength, PSI, flatwise	70,000
Flexural Strength, PSI, lengthwise	55,000
Flexural Strength, PSI, crosswise	35,000
Hardness, Rockwell (M)	120
Dielectric Strength, VPM, perpendicular (1/16th)	400
(1/8th)	350
Water Absorption, % 24hrs (1/16th)	0.35
(1/8th)	0.20
(1/2)	0.10
Heat Resistance, degrees F, continuous	280

Grade G-9 is a hi-strength Glass-Melamine laminate with resistance to flame, heat and arcing and tracking.
It resists extreme compressive loads and offers amongst the highest Bonding Strengths of all Thermoset laminates.
It is similar to NEMA G-5 but with increased emphasis on Electrical value, particularly in moist or wet conditions.

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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