



MATERIAL SPECIFICATION

GRADE G-9

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| Density, gm/cc | 1.95 |
| Lbs per sq ft (1/8 th) | 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 (1/16 th) | 400 |
| (1/8 th) | 350 |
| Water Absorption, % 24hrs (1/16 th) | 0.35 |
| (1/8 th) | 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.



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