



MATERIAL SPECIFICATION

NEMA GRADE G-11

Density, gm/cc	1.85
Lbs per sq ft (1/8 th)	1.29
Tensile Strength, PSI, lengthwise	48,000
Tensile Strength, PSI, crosswise	44,000
Compressive Strength, PSI, flatwise	75,000
Flexural Strength, PSI, lengthwise	70,000
Flexural Strength, PSI, crosswise	62,000
Hardness, Rockwell (M)	110
Dielectric Strength, VPM, perpendicular (1/16 th)	710
(1/8 th)	530
Water Absorption, % 24hrs (1/16 th)	0.15
(1/8 th)	0.09
(1/2)	0.05
Heat Resistance, degrees F, continuous	300
UL Flammability	94HB

Typical of Glass-Epoxy laminates, NEMA G-11 is noted for high Electrical and Mechanical values, with low Moisture Absorption, retained over a wide range of temperature and electrical conditions.

G-11 retains up to 50% of it's Flexural Strength values at 300F degrees.



Tel: (450) 430-3030 • Fax: (450) 430-3031 • Toll Free: 1-888-475-8843
info@synthanetaylor.com • www.synthanetaylor.com

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