



INDUSTRIES 3R

**Danville Office**  
55, route 116 Ouest  
Danville (Québec) Canada  
J0A 1A0

Phone: 819-839-2793  
Fax: 819-839-2797  
Toll-free: 800-567-2728  
E-mail: info@industries3r.com

FIBERGLASS / EPOXY / SILICONE / MELAMINE

## NEMA G10/FR4



### Description

G10/FR4 is a woven glass and brominated epoxy laminate offering excellent electrical properties in both dry and humid conditions. This material has very good mechanical strength and impact resistance. The G10/FR4 is a flame retardant grade and it maintains more than 25% of its flexural strength at 266°F operating temperatures while preserving all of its electrical properties.

### Applications

This material is suitable for a variety of applications for power generation industries such as terminal boards, lapping carriers, and many other machined parts. It is available in sheet, tube and rod form.

### Specifications

#### Technical Data

Specific gravity	1.85
Tensile strength (psi)	38 000
Flexural strength (psi)	60 000
Compressive strength (psi)	66.000
Hardness, M Scale	115
Bonding strength (psi)	2300
Shear strength (psi)	21 500
Electric strength - V/MIL - Cond A	800
Flammability rating	94V-O

Max Oper. Max.	140°C (284°)
Coeff. Thermal EXP. In/In/°C x 10^-5	1.00
Water absorption % - 24hrs	0.10

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.