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FIBERGLASS / EPOXY / SILICONE / MELAMINE

NEMA G10



Description

This G10 is constructed of a woven glass fabric combined with easy-machining, non-brominated epoxy resin. It is engineered to provide Nema Grade G10 properties, but is easier to machine and more cost effective in many applications.

Applications

Its applications include : low temperature thermal insulation, structural applications and various other mechanical and electrical applications at low to moderately high temperatures.

Specifications

Technical Data

Specific gravity	1.8
Tensile strength (psi)	40 000
Flexural strength (psi)	75 000
Compressive strength (psi)	65 000
Hardness, M Scale	110
Bond strength (psi)	2200
Shear strength (psi)	19 000
Electric strength - V/MIL Cond A	800
Flammability rating	94HB
Max. Oper. Temp.	140°C (284°F)

Coeff. Thermal Exp. In/In/°C x 10^-5	1.00
Water absorption % - 24 %	0.11

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.