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POLYESTER / FIBERGLASS

GPO-3



Description

This GPO-3 is a fiberglass reinforced thermoset polyester electrical grade sheet. This composite has an excellent combination of high strength, flame resistance and low smoke generation. This makes it ideal as a flame arc/track resistant electrical insulation.

Applications

This composite is ideal for flame arc/track resistant electrical insulation such as insulators, used as bus bar supports, transformer parts and switchgear insulators.

Specifications

Electrical properties

Electrical Strength - Perpendicular S/T in Air (ASTM D-149) Vpm	450
Arc Resistance (ASTM D-495) Sec.	180

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.

Physical properties

Tensile strength (ASTM D-638) Psi	8000
Compressive Strength (ASTM D-695) Psi	33 100
Flexural Strength (ASTM D-790) Psi	22 100
IZOD Impact strength (notched) (ASTM D-256) ft.lb/in.	8.9

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Thermal Properties

Coefficient of Thermal Expansion (ASTM D-696)
(in./in.°C) x 10-5

2

Thermal Conductivity (ASTM C 177)

1.9

Dissipation Factor, MHz (ASTM D-150)

0.010

Electrical Strength - Parallel S/S in Oil (ASTM D-149)

47

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