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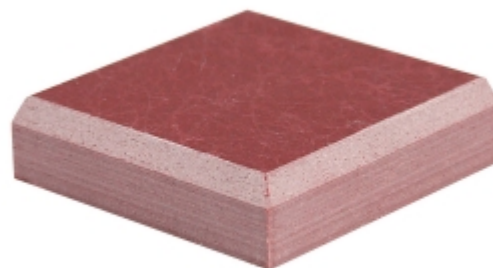
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GPO-3

GPO-3

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

Physical properties

Specific Gravity (ASTM D-792)	1.81
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
Water absorption (ASTM D-570) %	0.4

Electrical properties

Electrical strength (ASTM D-149) Vpm	450
Arc Resistance (ASTM D-495) Sec.	180

Thermal Properties

UL Subject 94 (0.094" & Thicker)	V0
UL Temperature Temperature Index (UL 746B)	
Electrical	130 °C (266°F)
Mechanical	160 °C (320°F)
Coefficient of Thermal Expansion (ASTM D-696) in/in/°CX10⁻⁵	2
Thermal Conductivity (ASTM C-177) BTU/HR/Ft²/In/ °F	1.9

N.B. The information, details and values indicated are to the best of our know ledge. We recommend to conduct tests according to local conditions. The data is subject to some variations w ithout notice.