



Fibreglass Reinforced Thermoset Polyester Laminate GPO-3

GPO-3 is a fiberglass reinforced Thermoset Polyester laminate recognized industry-wide for an optimum of Flame- and Arc-Resistance in demanding Electrical applications.

The combination of high strength and Flame Resistance with Low-Smoke Generation characteristics are particularly critical in Marine and Transit applications where safe, economical Hi-Performance materials are required.

GPO-3 Red and White in 1830 x 915 up to 101.6 MM thick and 2440 x 1220 up to 50.8 MM thick

1000 minutes Track Resistance	Highly Flame Resistant
Low Smoke + Toxicity	UL 94V0 Self Extinguishing 0.094 and thicker

Mechanical Properties				
Tensile Strength		PSI	ASTM D638	8,000
Flexural Strength		PSI	ASTM D790	22000 +
Compressive Strength		PSI	ASTM D695	33000 +
Shear Strength		PSI	ASTM D732	11500 +
Water Absorption		% weight	ASTM D570	0.4
Specific Gravity		---	ASTM D792	1.81
Electrical Properties				
Dielectric Strength	perpendicular in air	VPM	ASTM D149	450 +
Dielectric Strength	perpendicular in oil	VPM	ASTM D149	575 +
Dielectric Strength	parallel in oil	kV	ASTM D149	47
Arc Resistance seconds			ASTM D495	180
Dissipation Factor	60 Hz	---	ASTM D150	0.010
Thermal Properties				
UL Temperature Index	Electrical	degrees C	UL746B	130
UL Temperature Index	Mechanical	degrees C	UL746B	160
Coefficient of Thermal Expansion		in / in / C degree	ASTM D696	0.00002
UL Recognition File				# E81928

- CNC
- Designing
- 3D Printing

- Consulting
- Engineering
- 3D Scanning

Cammthane Pty Ltd

18 Rivulet Crescent, Albion Park Rail, NSW 2527

Ph: 02 4257 3201 Fax: 02 4257 3202

Email: info@tceg.com.au Web: www.cammthane.com.au