

TECHNICAL DATA SHEET

GPO (Glass Polymer Laminates)

GPO is constructed with fiberglass-reinforced thermoset polyesters which feature a combination of beneficial electrical and mechanical properties. These attributes include Dielectric strength, flame resistance, arc and track resistance, high-flex strength and high-impact strength. They maintain stability, will not melt under heat and have excellent overall electrical properties. All grades are UL® recognized.

Characteristics

Glass Polyester is a Glass-Mat Reinforced Polyester.

GPO-1 is a cost-effective, general purpose laminate. It is a solid choice for applications in which good electrical properties, good physical strength and moderate heat resistance are required.

GPO-2 is the laminate of choice when arc or flame resistance is required. It has good electrical and physical properties and heat resistance.

GPO-3 is the laminate to choose when arc, flame and carbon track-resistance are needed. GPO-3 offers good physical strength and moderate heat resistance. It is used extensively in the making of electrical components.

Electrical Insulation

GPO electrical insulating laminates have inherently good dielectrics. They are engineered to maximize the specific properties required for a wide range of electrical applications.

Flame Resistance

Meeting UL specifications and certifications

Mechanical Strength

This high-impact fiberglass-reinforced polyester laminate will resist shatter and provide structural support while being used as an insulator.

Heat Resistance

GPO laminates offer excellent property retention and dimensional stability at elevated temperatures.

Ease of Fabrication

These materials are easily fabricated and can be converted to customer drawing specifications. They can be easily cut, punched, drilled, machined, or sanded.

GPO (Glass Filled Polyester) Types

GPO-1 (tan color), **GPO-2** (red color), **GPO-3** (red color) **Glass Mat Reinforced Polyester** - These grades are composed of random mat (non-woven) fiberglass reinforcement held together by a polyester resin binder.

*Note for Technical Data See GPO-1, GPO-2, GPO-3

SHAPE AVAILABLE



NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets.