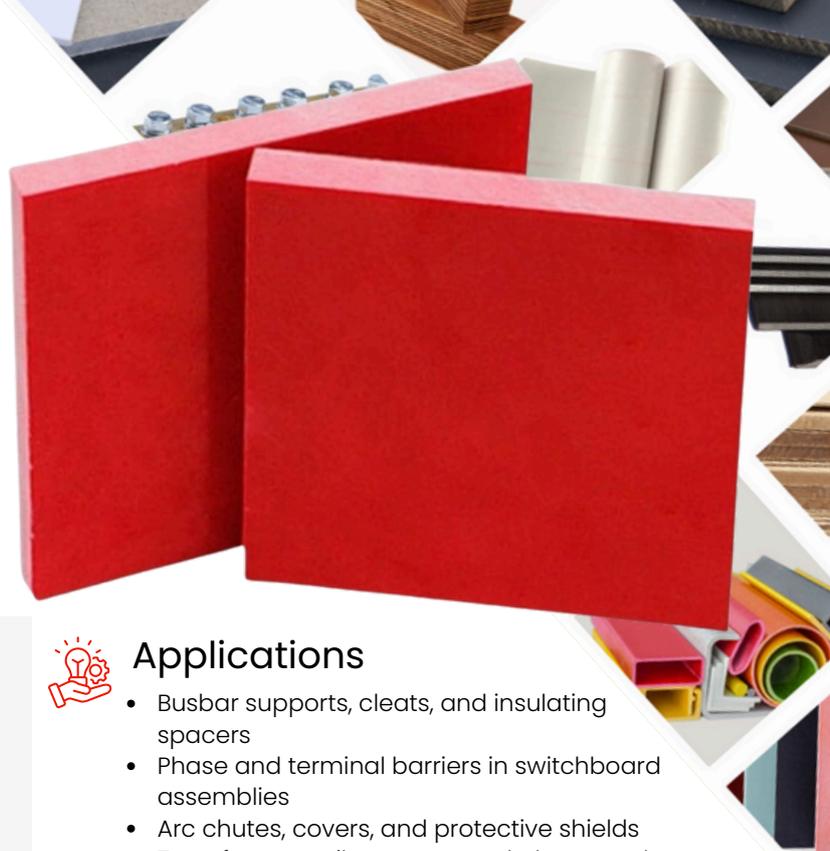


GPO-3

GLASS-REINFORCED POLYESTER COMPOSITE

ENGINEERED FOR SAFETY BUILT FOR POWER

TOUGH | STABLE | ELECTRICALLY RESISTANT



Key Features

- High dielectric strength and insulation reliability
- UL 94 V-0 flame-retardant and self-extinguishing
- Excellent arc, tracking, and electrical resistance
- High mechanical and impact strength
- Stable under heat, load, and humidity
- Low moisture absorption and dimensional stability
- Halogen-free and asbestos-free composition
- Low-smoke, low-toxicity emission profile
- Lightweight yet rigid structural performance
- Easy to machine, drill, and fabricate on CNC equipment
- Consistent performance under electrical and thermal stress



Applications

- Busbar supports, cleats, and insulating spacers
- Phase and terminal barriers in switchboard assemblies
- Arc chutes, covers, and protective shields
- Transformer coil supports, end plates, and insulation blocks
- Control panel partitions and mounting panels
- Structural insulating panels and backplates
- Generator and motor insulating components
- Electrical enclosures and switchgear linings
- Contact and fuse mounting plates
- Power distribution and switchboard substructures
- Renewable-energy and battery-storage insulation panels



Product Details

Property	Value
Material	Glass-mat reinforced thermoset polyester composite (GPO-3)
Thickness	1.6mm to 60mm (other on request)
Standard Colour	MISCO Red / Natural White
Surface Finish	Smooth presses surfaces, both side
UV Resistance	Intended for indoor enclosure use (not UV-exposed)



GPO-3 Sheet is a glass-mat reinforced, flame-retardant polyester composite engineered for electrical insulation and structural performance in low- and medium-voltage applications.

It delivers an effective balance of dielectric strength, mechanical rigidity, and thermal stability, making it a widely specified material for switchboards, transformers, and power distribution systems.



MISCO Australia offers in-house CNC machining to tailor sheets to your specifications:

- Accepted file formats: DXF, DWG, PDF
- Physical sample reverse engineering available
- Cut, drilled, slotted, profiled, and deburred parts.
- Batch or one-off production available on request.

✔ Switchboard Builders

✔ Transformer Manufacturing

✔ Industrial Machinery

✔ Defence

✔ Power Generation

✔ Rail Infrastructure

✔ Manufacturing

✔ Oil and Gas

✔ Renewable Energy

✔ Energy

✔ Automotive & Aerospace

✔ Electrical and Electronics

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