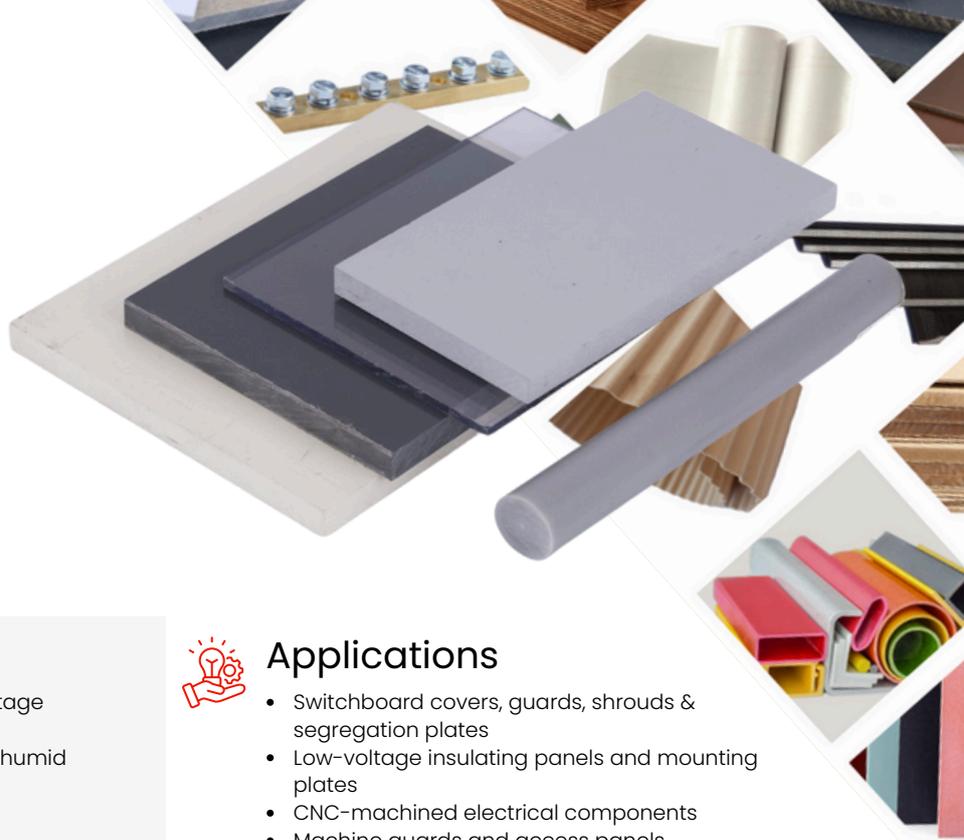


RIGID PVC

POLYVINYL CHLORIDE

ENGINEERED STRENGTH PROVEN STABILITY

PRECISE | CONSISTENT | EFFICIENT.



Key Features

- High dielectric strength for low-medium voltage assemblies
- Non-hygroscopic, maintaining properties in humid and wet environments
- Excellent chemical resistance to salts, dilute acids/alkalis, and industrial detergents
- Rigid and dimensionally stable under normal indoor service temperatures
- Smooth, low-porosity surface suitable for hygiene-controlled environments
- Naturally self-extinguishing, low flame spread (grade dependent)
- Predictable CNC machining with clean edges and low tool wear
- Lightweight and corrosion-free, ideal for indoor industrial use
- Accepts bonding and welding, suitable for fabricated assemblies



Applications

- Switchboard covers, guards, shrouds & segregation plates
- Low-voltage insulating panels and mounting plates
- CNC-machined electrical components
- Machine guards and access panels
- Chemical-resistant linings and splash guards
- Control panel backplates and equipment housings
- Damp-area electrical plates (pump rooms, HVAC)
- Instrumentation, light-duty fixtures & fabricated parts



Product Details

Property	Value
Material	Rigid Polyvinyl Chloride (PVC)
Thickness Range	3.0 – 25.0 mm
Standard Colour	Clear, White Opal, Grey (others by special order)
Surface Finish	Smooth, matte industrial finish
Machining	CNC compatible; suitable for drilling, routing, shaping



Rigid PVC (Polyvinyl Chloride) is an industrial-grade unplasticised thermoplastic valued for its strong electrical insulation, dimensional stability, and excellent resistance to moisture, chemicals, and corrosion. It performs reliably in low- to medium-voltage environments where temperatures remain moderate and mechanical loads are low, making it suitable for covers, guards, shrouds, segregation plates, mounting panels, and fabricated components used throughout switchboards, electrical equipment, machinery, HVAC systems, and general industrial assemblies.



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
- ✓ Power Generation
- ✓ Renewable Energy
- ✓ Transformer Manufacturing
- ✓ Rail Infrastructure
- ✓ Energy

- ✓ Industrial Machinery
- ✓ Manufacturing
- ✓ Automotive & Aerospace
- ✓ Defence
- ✓ Oil and Gas
- ✓ Electrical and Electronics

