

SM SERIES

STANDOFF INSULATOR

WHERE ELECTRICAL SAFETY MEETS MECHANICAL STRENGTH.

DURABLE | PRECISE | PROVEN



Key Features

- High dielectric strength and insulation resistance
- UL 94 V-0 flame-retardant composite
- Class F (155°C) thermal rating
- High mechanical compressive, tensile, and flexural strength
- Excellent surface tracking and arc-resistance (CTI ≥ 600)
- Low moisture absorption and dimensional stability
- Integrated brass inserts for secure fastening and repeatable torque
- Resistant to oils, greases, salt mist, and industrial contaminants
- Suitable for vibration-prone and high-temperature environments
- Available in multiple thread sizes and height options
- Locally stocked with fast lead times and full traceability



Applications

- Busbar mounting and spacing in LV/MV switchboards
- Electrical isolation posts in control panels and MCCs
- Transformer terminal and conductor support
- Segregation of live parts in distribution assemblies
- Rail and rolling stock electrical cabinets
- Industrial machinery and automation systems
- Power conversion, inverter, and UPS enclosures
- Renewable energy combiner boxes and DC isolators
- OEM electrical and electromechanical assemblies
- Battery systems and EV charging infrastructure
- Instrumentation panels and auxiliary boards
- General-purpose standoff supports for electrical installations



Product Details

Property	Value
Material	Glass-reinforced thermoset polyester (UL 94 V-0) with precision brass threaded inserts
Thread Options	Metric (M5, M6, M8, M10) – other configurations on request
Standard Colour	Red
Hex Sizes	Standard hexagonal body for spanner engagement
Surface Finish	Smooth molded composite



SM Series Standoff Insulators deliver dependable electrical isolation and rock-solid mechanical support for modern power and industrial systems.

Built from a UL 94 V-0 rated thermoset composite and fitted with precision brass inserts, they offer the strength, stability, and safety demanded by switchboard builders, transformer manufacturers, rail networks, OEMs, and defence projects.



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

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

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