



MICA INSULATION PRODUCTS – TECHNICAL DATASHEET

All mica insulation products such as sheets, washers, spacers, and tubes are manufactured using high-quality muscovite or phlogopite mica paper bonded with silicone resin under heat and pressure.

Product Variants

Mica Sheet: Flat insulation sheet used as base material.

Mica Washer: Punching component made from sheets for electrical insulation.

Mica Spacer: Custom cut/machined parts for spacing and insulation.

Mica Tube: Cylindrical insulation formed by rolling mica paper.

Property	Muscovite	Phlogopite
Temp Rating	<550°C	<800°C
Density	1.7–2.15	1.7–2.25
Dielectric Strength	≥20 kV/mm	≥20 kV/mm
Volume Resistivity	>10 ¹² ohm.cm	>10 ¹² ohm.cm
Water Absorption	<1%	<1.5%

Applications

- Induction furnace insulation
- Heating elements
- Electrical insulation systems
- Busbar and coil insulation