

**RATNA PLANE MICA - SLIP PLANE MICA
(FLEXIBLE MICA INSULATION)**

RATAN DIELECTRICS manufactures slip plane mica (flexible mica insulation) which is widely used in induction furnaces between the crucible and coil grout. It consists of Phlogophite mica paper bonded with a high temperature resistant binder, glass fibre reinforcement and with or without a backing of ceramic paper or ceramic felt. Slip plane mica provides a cushion against the expansion forces of the refractories and protects the coil. It protects against leakage currents, and provides a slip plane which facilitates the removal of the crucible.

TECHNICAL DATA

Product	Composition	Thickness	Dielectric Strength	Thermal Conductivity	Max. Temp Resistance
Ratna Plane Mica – MMG	Phlogophite Mica Paper with glass reinforcement either inside or on one outer surface	0.20mm 0.35mm 0.40mm 0.50mm Higher on request	➤ 15kv/mm	Approx. 0.70 W/m.k	1000 Deg C
Ratna Plane Mica – MMGC	Phlogophite mica paper with ceramic felt on one outer surface	2.30, 2.40, and 2.50mm 3.0, 3.40 and 3.50mm	> 4Kv/layer	Approx. 0.12 W/m.k	1000 Deg C
Ratna Plane Mica – GMMG	Phlogophite Mica Paper with glass cloth on both sides	0.40 and 0.50mm	> 10kv/mm	Approx. 0.70 W/m.k	1000 Deg C
Ratna Plane Mica – GMSG	Muscovite Mica Splittings with Varnished Glass Cloth on both sides	0.40 and 0.50mm	> 10kv/mm	Approx. 0.30 W/m.k	600 Deg C

Available sizes and supply form:

Sheets : 1000mm x 1000mm (+/- 10mm)
Rolls : 980 mm width x 20meter or 25 meter roll lengths

Other sizes as per customer requirements.

The above are typical laboratory results and the users must check their suitability's.

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