

Rigid Mica (Sheet / Components)

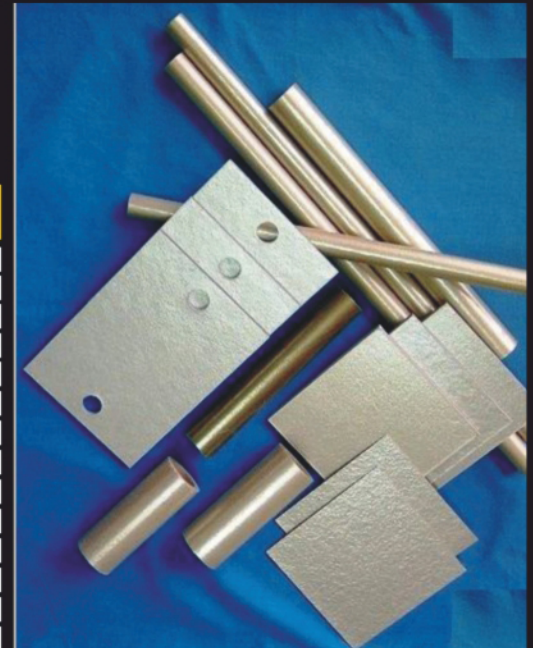
This is a composition of several Mica layer [Muscovite (m) or Phlogopite (p)] impregnated with silicon binder (inorganic) under specific heat and pressure to form a rigid plate /board having excellent mechanical strength, thermal resistance, moisture resistivity and electrical insulating properties.

Application

- Insulation of high temperature heated platens and moulds in hydraulic and forging presses.
- High temperature insulation of electrode arm in arc furnaces and ladle furnaces.
- High temperature insulation between coil and crucible in induction furnaces.
- Insulation in dynamic braking resistors used in locomotives.
- Applications requiring high voltage resistance at high temperatures.
- Machined and fabricated components of various shapes and sizes for thermal and electrical resistance application.

Data Sheet

Property		Unit	Value
Availability	Standard Size	mm	1200x1000
	Thickness	mm	600x1000
Material	Mica	%	0.1 - 100.0
	Silicone	%	90
Mechanical	Density	g/cm ³	2.2 ± 0.1
	Tensile Strength	Mpa	>150
	Flexural Strength	Mpa	>230
	Compressive Strength	Mpa	>400
Electrical	Dielectric Strength	KV/mm	>25
Thermal	Operating Temperature	° C	500 - 600 (M)
		° C	700 - 800 (P)
Other	Weight Loss	%	< 0.5
	Water Absorption	%	< 0.2



The above data is collected from our tests in work, and does not constitute a specification thereby subjected to variation. No liability shall be implied or assumed from any given data.

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