



# GLASS MICA FOLIUM INSULATION

Phlogopite Glass Mica Folium is lamination made of Phlogopite Mica Paper with Glass cloth and bonded with Silicone Resin (Temp range- 950°C). Our folium ensures a superior di-electric barrier and provides high-performance microporous heat insulation. It's highly flexible material to be used on Furnace Lining.

**Application :** Electrical and Thermal Insulation in core less induction Furnaces.

**Advantages :**

- 1)** It extends the life of linings by acting as a superior slip plane allowing free movement through expansion and contraction thus, reducing the chances of cracks and reduces the furnace down-time.
- 2)** Our product is made with bio-soluble and non-hazardous insulation paper bonded to the mica thus making the product robust and recyclable.

**Availability:**

Length : 25 mtr.  
 Width : 1000 mm  
 Thickness: 0.25to 3.5mm

Sr. No.	Description	Units	Values	Test method
1	Thickness	mm	0.25 to 3.5 <i>(as per customer's requirement)</i>	IEC 60371-2
2	Glass Weight	g/m <sup>2</sup>	70 (+/- 6)	IEC 60371-2
3	Mica Content	g/m <sup>2</sup>	240 to 650 <i>(as per customer's requirement)</i>	IEC 60371-2
4	Volatile Content	%	< 2	IEC 60371-2
5	Total Substance	g/m <sup>2</sup>	280 to 480 <i>(as per customer's requirement)</i>	IEC 60371-2
6	BDV	Kv/mm	> 11	IEC 60243-1
7	Tensile Strength	N /cm	> 260	IEC 60371-2
8	Thermal Conductivity	W/m <sup>0</sup> k	< 0.25	IEC 60243-1

