

**FLEXIBLE MICANITE
(GLASS MICA GLASS OR GLASS MICA SHEETS/ROLLS WITH SILICONE BINDER)**

Product

RDs special grade of Flexible Micanite mostly made with mica splittings bonded with silicone resin and fibre glass fabric backing on one or both sides is suitable for Temperature Index of at least 200 Deg C and is still most popular across different markets!

Application

For use as insulation in electrical machines

Sizes

- 1000 mm x 900 mm
- 550 mm x 650 mm
- In continuous roll form of widths 32" or 38" or as required

Thickness and Tolerances

Thickness (mm)	Tolerance (mm)	
	Average (+/-)	At Individual Points (+/-)
0.25	0.05	0.15 / 0.10
0.30	0.08	0.15 / 0.10
0.35	0.08	0.15 / 0.10
0.40	0.08	0.20 / 0.15
0.50	0.08	0.20 / 0.15
0.60	0.10	0.25 / 0.20
0.75	0.10	0.25 / 0.20

Composition

Volatile Content : 2% Max.
 Bond Content : 10% - 20%
 Mica Content : As per table below

Thickness (mm)	Mica Content (Min. %)	
	For Glass Mica Glass	For Glass Mica
0.25	40	65
0.30	45	65
0.35	45	65
0.40	50	65
0.50	55	65
0.60	55	70
0.75	60	70

Electrical Strength

Thickness (mm)	Breakdown Voltage	
	Average (kV)	Min. at Individual Point (kV)
0.25	3.2	2.0
0.30	3.8	2.5
0.35	4.4	3.0
0.40	5.0	3.5
0.50	6.0	4.0
0.60	8.0	5.0
0.75	9.0	6.5

Shelf Life

The material if stored at room temperature shall remain flexible and other properties should not deteriorate until 12 months

Packing

The sheets are interlaid with polythene paper and covered with moisture proof butter paper and packed suitably in strong wooden cases to avoid any damage during transit and storage.

Note: We also offer silicone varnished glass / mica / silicone varnished glass in continuous roll form of widths upto 1 meter (most popular being 32" and 38" width materials) and in thickness such as 0.4 mm. Rolls lengths of 76 meters are also available on special request. A product that can be had from our ready production

Disclaimer: The above is a typical product data sheet for reference purpose only and not intended for specification purpose.