

## **CALMICA-FLEX® 0824**

### Description:

CALMICA-FLEX® 0824 is a three-ply insulating material consisting of glass cloth as a carrier, mica paper impregnated with a modified thermosetting epoxy resin and a PET-film on the mica paper side.

### Properties:

CALMICA-FLEX® 0824 is a mica paper tape specially developed to give protection against moisture. The tape is highly flexible, slightly tacky and retains some flexibility after curing.

### Application:

CALMICA-FLEX® 0824 can be used e. g. for the insulation of overhangs and connections of low or high voltage machine coils which are exposed to extreme environmental stresses.

### Materials:

CALMICA-FLEX® 0824 is a three-ply insulating material consisting of glass cloth as a carrier, mica paper impregnated with a modified thermosetting epoxy resin and a PET-film on the mica paper side.

### Formats:

Rolls: max 1000 mm wide

Tapes: from 10 mm width upwards

Standard width: 15, 20 und 25 mm

Standard length: 50 mm

### Storability:

min. 3 months at 20° C

min. 6 months at 5° C

### Curing conditions:

3 hours at 160° C

or 6 hours at 140° C

or 16 hours at 110° C

Technical Data (as delivered)

<b>CALMICA-FLEX® 0824</b>				
<b>Properties</b>	<b>Test method</b>	<b>Unit</b>	<b>Value</b>	<b>Value</b>
Nominal thickness		mm	0.12	0.17
Tolerance	IEC 371	mm	± 0.015	± 0.02
Total substance	IEC 371	g/m <sup>2</sup>	147 ± 20	220 ± 25
Glass cloth	IEC 371	g/m <sup>2</sup>	33 ± 3	33 ± 3
Mica paper	IEC 371	g/m <sup>2</sup>	50 ± 5	75 ± 8
PET-film	IEC 371	g/m <sup>2</sup>	17 ± 2	42 ± 4
Resin content	IEC 371	g/m <sup>2</sup>	47 ± 10	70 ± 10
Tensile strength	IEC 371	N/10mm	≥ 120	≥ 120
Breakdown voltage	IEC 371	kV	5	