

## **CALMICA-FLEX® 0421**

### Description:

CALMICA-FLEX® 0421 is a four-ply insulating tape consisting of mica paper impregnated with a epoxy-resin, unidirectional glass threads.

### Properties:

CALMICA-FLEX® 0421 is a highly flexible insulating tape compatible with epoxy- and polyester-resin systems. It remains to some extent flexible after curing.

### Application:

CALMICA-FLEX® 0421 is specially suitable for the taping of the overhangs and connections of low or high voltage machines coils which have small bends. It is the lower priced variation of CALMICA-FLEX® 0919.

### Materials:

CALMICA-FLEX® 0421 is a four-ply insulating tape consisting of mica paper impregnated with a modified, thermosetting epoxy-resin, unidirectional glass threads as longitudinal reinforcement and PET-film on both sides of the tape.

### Formats:

Rolls:	max. width 1000 mm
Tapes:	from 10 mm width upwards
Standard width:	15, 20 und 25 mm

### Storability:

min. 6 months at 20° C  
min. 12 months at 5° C

### Curing conditions:

3 hours at 160° C or 6 hours at 140° C.

Technical Data

<b>CALMICA-FLEX® 0421</b>			
<b>Properties</b>	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
Nominal thickness		mm	0.13
Tolerance	IEC 371-2	mm	± 0.02
Total substance	IEC 371-2	g/m <sup>2</sup>	160 ± 13
Glass threads	IEC 371-2	g/m <sup>2</sup>	18 ± 2
Mica paper	IEC 371-2	g/m <sup>2</sup>	75
PET-film		g/m <sup>2</sup>	1 x 8 + 1 x 17
	IEC 371-2	μm	1 x 6 + 1 x 12
Resin content	IEC 371-2	g/m <sup>2</sup>	42 ± 4
Dielectric strength	IEC 371-2	kV	≥ 6
Tensile strength	IEC 371-2	N/10mm	≥ 100
Thermal classification	IEC 216	°C	155 (F)