

# mica tapes

## Samicatherm® 366.28

- ▶ Main wall insulation for Resin Rich Technology
- ▶ Good flexibility and conformability
- ▶ With interleaving foil
- ▶ High electrical properties

		Value	Test norm
Thickness	mm	0.19 ± 0.03	IEC 60371-2
Total weight	g/m <sup>2</sup>	265 ± 26	IEC 60371-2
Mica paper	g/m <sup>2</sup>	120 ± 7	IEC 60371-2
Glass fabric	g/m <sup>2</sup>	32 ± 3	IEC 60371-2
Resin content	g/m <sup>2</sup>	113 ± 20	IEC 60371-2
Volatile content	%	≤0.8	IEC 60371-2
Tensile strength	N/cm	≥150	IEC 60371-2
Stiffness	N/m	≤50	IEC 60371-2
Min. shelf life at 20°C	Month	≥6	
Min. shelf life at 5°C	Month	≥12	

### General description

Samicatherm® 366.28 is based upon a woven glass fabric, calcined mica paper and a thermosetting epoxy resin as binder.

### Application

Samicatherm® 366.28 is mainly used as main insulation for bars and coils of motors, hydro and turbo generators up to highest voltage levels. Samicatherm® 366.28 might also be used for the manufacture of insulating components (rings, channels, tubes).

### Form of delivery

Samicatherm® 366.28 is usually delivered interleaved as full width material. Tapes in widths from 15 mm are available on demand; nevertheless for tapes, we recommend the grades 366.28-02 or 366.28-03. See separate data sheets.

Our range of cores satisfies the needs of manual and mechanical processing.

### Main characteristics

Samicatherm® 366.28 is supplied dry and flexible to allow easy foil wrapping by hand and machine taping for tapes. Full width material is supplied with interleaving foil, while tapes are delivered without. Calcined grades are particularly suitable in hot climates and are a little less compressible than uncalcined grades.

### Processing

Samicatherm® 366.28 tapes should be applied with the glass backing to the outside and taped smoothly and evenly with a tension of approx. 30 N/cm. If stored at 5°C Samicatherm® 366.28 has to reach ambient T° before application.

Samicatherm® 366.28 is supplied in the "B" stage condition and requires pressing and curing before optimum electrical properties are achieved; typically 45 mn at 160°C for a 2-3mm wall thickness. Characteristics after curing on request.

### Health and safety

While processing Samicatherm® 366.28 we recommend to follow all hygiene and safety standards.

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