

mica tapes

Samicaflex® 366.18

- For RR and VPI impregnation
- High thermal stability
- Extreme flexibility
- For class H & C applications

		Value	Test norm
Thickness	mm	0.12 ± 0.02	IEC 60371-2
Total weight	mm	150 ± 12	IEC 60371-2
Mica paper	g/m ²	75 ± 4	IEC 60371-2
Glass fabric	g/m ²	23 ± 2	IEC 60371-2
Resin content	g/m ²	52 ± 6	IEC 60371-2
Tensile strength	N	≥80	IEC 60371-2
Stiffness	N/m	≤40	IEC 60371-2
Breakdown voltage	kV	≥1.6	IEC 60371-2
Min. shelf life at 20°C		12 months	
Min. shelf life at 5°C		24 months	

General description

Samicaflex® 366.18 is based upon a woven glass fabric with an impregnated muscovite micapaper.

Application

Samicaflex® 366.18 is recommended for all motor applications up to 220°C, where retained flexibility is necessary. It is used in traction motors for both armature coils and field coils. Samicaflex® might also be used as overhang insulation in class F Resin Rich processed high voltage coils. Samicaflex® is also used as thermal and electrical insulation on induction furnace coils up to the highest temperatures.

Form of delivery

Samicaflex® 366.18 tapes are usually delivered in widths from 10mm on. Our range of cores satisfies the needs of manual and mechanical processing.

Main characteristics

Samicaflex® 366.18 is a "B" stage material with excellent electrical properties at very high temperatures and with exceptional retained flexibility after prolonged exposure to high temperature.

Processing

We recommend to apply these tapes half lapped with the woven glass to the outside.

Samicaflex® 366.18 must be fully cured after application, when used as overhang insulation of machines which are to be vacuum pressure impregnated (VPI).

Health and safety

While processing Samicaflex® 366.18 we recommend to follow all hygiene and safety standards.

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