

# mica tapes

## Samicapor® 374.04

- Main wall insulation for VPI without accelerator
- Flexible for an easy coil manufacture
- Very good impregnability
- Suitable for thermal class F electrical insulation systems

		Value	Test norm
Thickness	mm	0.18 ± 0.02	IEC 60371-2
Glass fabric	g/m <sup>2</sup>	23 ± 2	IEC 60371-2
Mica paper	g/m <sup>2</sup>	160 ± 10	IEC 60371-2
Total weight	g/m <sup>2</sup>	241 ± 15	IEC 60371-2
Resin content	g/m <sup>2</sup>	38 ± 8	IEC 60371-2
Polyester fleece	g/m <sup>2</sup>	20 ± 3	IEC 60371-2
Porosity	s/100ml	≤2000	ISO 5636/5
Tensile strength	N/cm	≥80	IEC 60371-2
Stiffness	N/m	≤80	IEC 60371-2
Thermal class		F (155°C)	IEC 60085
Min. shelf life at 20°C	Mt.	12	
Min. shelf life at 5°C	Mt.	24	

### General description

Samicapor® 374.04 is based upon a woven glass fabric as carrier, an impregnated muscovite mica paper and a polyester fleece covering. Samicapor® 374.04 does not contain any accelerator.

### Application

Samicapor® 374.04 is generally used in high voltage motors up to 6.6kV for the end winding and end connection insulation of coils which are to be vacuum pressure impregnated (VPI). This product is primarily designed to be used with a polyesterimide resin. Please contact a Von Roll representative for suggestions. The properties of the VPI resin will determine the final thermal, electrical and mechanical properties.

### Form of delivery

Samicapor® 374.04 tapes are usually delivered in widths of 15mm and larger. Our range of cores satisfies the needs of manual and mechanical processing.

### Main characteristics

Samicapor® 374.04 is a flexible product that can be rapidly and fully impregnated. Combined with the appropriate VPI resin, this product can be used for thermal class F electrical insulation systems. The polyester fleece covering allows some additional stress on the tape during processing.

### Processing

To achieve the according properties, we recommend to apply these tapes half lapped. The particular VPI resin selected for processing will determine the proper cure cycle. Optimal results can be accomplished together with our Damisol® 3308 or 3309 resin and with our Epoflex® 324.03 as protection tape.

### Health and safety

While processing Samicapor® 374.04 we recommend to follow all hygiene and safety standards.

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