

# Mica tapes

## Filosam® L 326.57-20

- ▶ Good flexibility and conformability
- ▶ High dielectric strength
- ▶ Glass threads reinforcement
- ▶ Polyester film on both sides

		Value	Test norm
Thickness	mm	0.15 ± 0.03	IEC 60371-2
Total weight	g/m <sup>2</sup>	206 ± 20	IEC 60371-2
Mica paper	g/m <sup>2</sup>	109 ± 6	IEC 60371-2
Resin content	g/m <sup>2</sup>	54 ± 8	IEC 60371-2
Polyester film	mm	0.006	IEC 60371-2
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Longitudinal glass	g/m <sup>2</sup>	26 ± 3	IEC 60371-2
Tensile strength	N/cm	≥80	IEC 60371-2
Breakdown voltage	kV	≥6	IEC 60371-2
Min. shelf life at 20 ± 5°C	Month	12	

### General description

Filosam® L 326.57-20 is based upon a combination of micapaper, unidirectional glass threads and polyester film on both sides of the tape, all bond together with an appropriated cured binder.

### Application

Filosam® L 326.57-20 is generally used as flexible insulation of coils and overhangs up to 6kV and for the insulation of high voltage flexible leads. When it is used as ground insulation in the " soft cell " system, Filosam® L 326.57-20 is taped around the entire coil before further resin dip or VPI of the stator.

### Form of delivery

Filosam® L 326.57-20 tapes are usually delivered in widths from 15mm on. Our range of cores satisfies the needs of manual and mechanical processing.

### Main characteristics

Filosam® L 326.57-20 has high dielectric properties, combined with good flexibility and conformability, and is capable of continuous operation at 155°C, Class F.

### Processing

We recommend to apply Filosam® L 326.57-20 half lapped by hand or by machine. When used as soft cell system, Filosam® L 326.57-20 is applied without further processing until impregnation after winding; it is compatible with a wide range of polyester, epoxy or polyesterimide resins. When used as overhang insulation on high voltage machines (11 kV or higher) we recommend to impregnate or brush in resin between the layers and to end with a finishing tape, such as Epoflex® 215.01.

### Health and safety

While processing Filosam® L 326.57-20 we recommend to follow all hygiene and safety standards.

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