

Flexible tapes

Epoflex® 215.01

- ▶ Coil and bar protection tape for Resin Rich and Soft Cell applications
- ▶ Slightly adhesive surface
- ▶ Very flexible and elastic
- ▶ Ideal for complex forms
- ▶ Used for very high voltages

		Value	Test norm
Thickness		0.19 ± 0.04	IEC 60626-2
Resin content	g/m ²	180 ± 20	IEC 60371-2
Polyester fleece	g/m ²	40 ± 5	IEC 60626-2
Total weight	g/m ²	220 ± 25	IEC 60626-2
Thermal class		F (155°C)	IEC 60085
Elongation	%	≥10	IEC 60394-2
Tensile strength	N/cm	≥40	IEC 60394-2
Breakdown voltage	kV	≥3.0	IEC 60626-2
Min. shelf life at 20°C	Month	6	
Min. shelf life at 5°C	Month	12	

General description

Epoflex® 215.01 is composed of a polyester fleece and a reddish brown pigmented B-stage Epoxy resin.

Application

Epoflex® 215.01 is used as final layer in the winding of electrical machines as a protection tape when using Resin Rich and Soft Cell Systems.

Form of delivery

Epoflex® 215.01 tapes can be delivered in widths from 15mm on. Our assortment of cores satisfies the needs of manual and mechanical processing.

Main characteristics

Epoflex® 215.01 shrinks under temperature, compressing the main wall insulating tapes. In this way the thermal and electrical properties of coils or bars can be considerably improved. At the same time this tape provides a substantial protection against moisture and environmental pollutants.

Processing

Our advice is to apply the Epoflex® 215.01 tapes half lapped. The separate polyethylene dividing foil must be removed during winding. An optimal protection is achieved by hardening the coils or bars at a temperature of 160°C during 8 hours. Due to the exceptional elasticity and to the slight adhesive polyester fleece, this tape can easily be applied manually.

Health and safety

Epoflex® is non toxic. Nevertheless we recommend to follow any hygiene and safety standards while processing.

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