SynFlex Elektro GmbH
Auf den Kreuzen 24
D-32825 Blomberg Germany
Telefon +49-5235-968-0
E-Mail info@synflex.de

Polyglas tape SV3

Polyglas tapes are winding tapes made of unidirectional glass fibers impregnated with a thermosetting polyester resin in B-stage.

Attributes

Polyglas tapes have a high tensile strength combined with a low elongation and high moisture resistance after curing. The resin system shows sufficient flow during the curing process to create a compact and durable winding or bandage.

Application

Polyglas tape is suitable for banding all kind of motor rotor coils and overhangs. It is also used for tying cores, coils and columns of dry and oil transformers.

Standards

Type F – Klasse F (155 °C)

Type H – Klasse H (180 °C)

Delivery forms

In tapes of 200m length.

Standard width: 10, 15, 20, 25 mm, other widths on request.

Storage

Originally packed:

Max. 4 months at 30 °C

Max. 8 months at 20 °C

Max. 16 months at 10 °C

Hardening

The necessary time to achieve the requested temperature of the object is not included into the table.

Temperature in °C	Time in h
120	24
135	4
150	1.5
165	1

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Typical mechanical properties	Unit of measure	Typ F	Typ H
Nominal thickness	mm	0.30	0.30
Thickness tolerance	mm	±0.03	±0.03
Specific weight	g/m²	544±30	544±30
Resin content	%	25±2	25±2
Tensile strength pre curing	N/cm	≥2000	≥2000
Tensile strength post curing at 23 °C	N/cm	≥2500	≥2500
Tensile strength post curing at 155 °C	N/cm	≥2000	≥2000
Thermal class	°C	155	180

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