SynFlex Elektro GmbH
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SynTherm® YT511 Crepe tube

The basic material SynTherm® YT511 is a Class H (180 °C) insulating material. Temperatures of up to 200 °C only slightly influence the electrical properties. The good mechanical properties can be extrapolated to significantly higher temperatures. Due to the polymer structure SynTherm® YT511 can also be used a low temperature of up to -190 °C. It has a very high short-term dielectric strength.

SynTherm® YT511 is compatible with all common classes of resins, varnishes, adhesives and transformer liquids, lubricants and cooling agents. Commonly used solvents may lead to minor, reversible expansion. SynTherm® YT511 paper is of low flammability (UL 94V-0) and very high resistance to beta and gamma radiation.

Attributes

SynTherm® YT511 crepe tube is an insulating tube, wrapped out of SynTherm® YT511 crepe. The basic material SynTherm® YT511 with 0.180 mm thickness is a synthetic electrical insulating paper consisting of a non-calendered, aromatic polyamide fibride flock composition. This crepe tube is available in different diameters and thicknesses.

Application

High-quality SynTherm® YT511 is used as electrical insulating material in almost any known application.
Major application:
Insulation of connecting cables and cable guides for:

- wind energy transformers
- distribution transformers
- traction transformers

Whereever the application allows using SynTherm® YT511 crepe tubes, the complex banding with aramide crepe is not necessary.

Standards

- Insulating material class H (180 °C)
- The base material is UL listed (RTI mech.+electr. 210 °C)

Delivery forms

SynTherm® YT511 crepe tube is available as follows:

- length: up to 1.200 mm
- diameter: 6 - 70 mm
- thickness: freely selectable

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.
Updated 10/18

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Base

Non-calendered, aromatic polyamide fibride flock composition

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