
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 fibrille 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

Wherever 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

Base

Non-calendered, aromatic polyamide fibrille flock composition

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Updated 10/18

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