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SynTherm® YT510 Crepe

SynTherm® YT510 crepe is based on SynTherm® YT510 a synthetic electro-insulation paper constructed of a calandered, aromatic polyamide fibride flock composition.

Our SynTherm® YT510 Crepe is available in two versions:
F and SF with slightly different behaviour.

Attributes

The basic material SynTherm® YT510 is a class H (180 °C) insulating material. Temperatures below 200 °C only slightly influence its electrical properties. The good mechanical properties can be extrapolated to significantly higher temperatures. Due to its polymer-structure, SynTherm® YT510 is also suitable for temperatures up to -190 °C.It has a high short-term dielectric strength. SynTherm® YT510 is compatible with all classes of common resins, varnishes, adhesives as well as transformer liquids, lubricants, and cooling agents. Common solvents may lead to slightly reversible moisture expansion. SynTherm® YT510 has low flammability (UL 94V-0) and very high resistance to beta and gamma radiation.

Application

SynTherm® YT510 Crepe is used in wrapping applications where increased elongation and flexibility is required.

Standards

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

Delivery forms

Paper thickness in µm: 80

SynTherm® YT510 Crepe is available in tapes:

- approx. 40 m length
- approx. 165 mm outer diameter on 76 mm core

SynTherm® Crepe is also available with base material uncalendered aramid paper SynTherm® YT511 + crepe tubes.

Base

Calandered, aromatic polyamide fibride flock composition.

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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Mechanical	Unit of measure	Type F - Base material	Type F - creped	Type SF - Base material	Type SF - creped
Total thickness	mm	0.08	0.65	0.08	0.72
Tensile strength longitudinal	N/10 mm	65	49	65	47
Elongation at break longitudinal	%	9	70	9	80
Dielectric strength	kV	1.28	2.68	1.28	2.43

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