SynFlex Elektro GmbH
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SynKraft® T

A high-quality insulating material based on calandered 100 % unbleached sulphate wood pulp.

Attributes

SynKraft® T displays high chemical purity, high oil consumption properties, excellent flexibility, good tensile and compressive strength, good compatibility with dip and trickle resins and good impregnating properties.

Application

Pressboard is a classic insulating material for electrical equipment and is commonly used in transformers, but also in electrical motors at reduced thermal loads.
Application ranges from slot insulation for stators and rotors, through wedges in electric motors to core, interlayer and final insulation for transformers.

Standards

- Class A (105 °C) insulating material.
- Test standard IEC 60641-2
- Sample conditioning according to standard atmosphere 23/50.

Delivery forms

Total thickness in µm:

- rolled goods (PSP T3055) 100, 150, 200, 250, 300, 400, 500, 800, 1000
- sheet goods (PSP T3050) 100 µm to 3.0 mm

SynKraft® T can be supplied:

- in slit rolls from widths of 6 mm (depending on thickness) and above
- in rolls (PSP T3055) in widths of approx. 640 or 1280 mm
- overall diameter of the slit rolls / rolls is optionally approx. 240, 330 or 450 mm
- in sheets (PSP T3050) depending on the thickness 640 x 800 mm or 800 x 1280 mm, other sheets available on request

Wrap:

- depth approx. 1 to 12 mm, distance approx. 1 to 10 mm
- from widths of 10 to 240 mm and up to thickness of 0.35 mm

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 07/21

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Mechanical	Unit of measure	SynKraft® T 3050 (formats)	SynKraft® T 3055 (rolls)
Thickness tolerance	%	± 7.5	± 10
Specific weight*	g/cm³	1.18	1.25
Tensile strength longitudinal*	N/mm²	≥100	100
Tensile strength transversal*	N/mm²	≥75	55
Elongation at break (unfold) longitudinal	%	7	3
Elongation at break (unfold) transversal	%	9	10
Moisture content	max. %	≥6	7
Combustion residue	max. %	0.4	0.5
Oil consumption	min. %	7-15	10

Electrical	Unit of measure	SynKraft® T 3050 (formats)	SynKraft® T 3055 (rolls)
Dielectric strength	kV/mm		
Dielectric strength	kV/mm	≥12	

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