SynFlex Elektro GmbH
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SynKraft® KP

SynKraft® KP is a tear resistant, flexible 2-layer insulation made of one layer polyester film and high-compressed pressboard.

Attributes

The pressboard absorbs impregnants easily and ensures excellent bonding of all winding components after impregnation. The polyester film improves the electrical and mechanical properties of the pressboard layer of the laminate, in particular the tear resistance, and provides good slip during insertion of windings. The pressboard layer protects the polyester film from damages caused by the lamination stack during processing.

Application

SynKraft® KP is a very economic slot liner and slot closure in stators and rotors and is also used as layer insulation and covering insulation in small transformers.

Standards

- Insulation material, class B (130 °C)
- Insulation acc. to IEC 60626

Delivery forms

Available thickness µm:

100

SynKraft® KP is available:

- tape as of 6 mm width. (depending on thickness)
- rolls approx. 630 mm or 1.260 mm
- formats approx 630 mm x 800 mm or approx. 800 mm x 1.260 mm

Feathering:

- depth approx. 1 - 12 mm, distance approx. 1 - 10 mm
- from 10 mm to 240 mm width and 0.20 mm thickness

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	
Nominal thickness	mm	0.10
Thickness tolerance	%	± 15
Film thickness	µm	50
Specific weight	g/cm²	120
Elongation at break longitudinal	%	3
Elongation at break transversal	%	10
Tensile strength longitudinal	N/mm²	100
Tensile strength transversal	N/mm²	70

Electrical	Unit of measure	
Nominal thickness	mm	0.10
Dielectric strength	kV	10

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