

SYNFLEX Quality Network:



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SYNKRAFT® KP

Description	SYNKRAFT® KP is a tear resistant, flexible 2-layer insulation made of one layer polyester film and high-compressed pressboard.
Properties	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 626-1 to 626-3 RoHS compliant acc. to 2011/EU
Delivery format	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

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Technical data

	Unit	Value
Electrical		
Dielectric strength	kV	10

	Unit	Value
Mechanical		
Nominal thickness	mm	0.10
Thickness tolerance	%	± 15
film thickness	µm	50
Specific weight	g/cm ²	120
Elongation at break longitudinal	%	3
Elongation at break transversal	%	10
Tensile strength longitudinal	N/mm ²	100
Tensile strength transversal	N/mm ²	70

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