
SynKraft® EP grained

SynKraft® EP is a grained 2-layer insulation constructed from polyester film with high grade press board on one side. This composite material is suitable for class B (130 °C).

Attributes

By stamping the press board the material achieves a good suppleness and extensibility. At the same time it maintains its stability.

The minimum stability is required for in-serting the phase insulation between the windings. The suppleness allows protection against mechanical stress on deformation of the end of turns.

Application

Mainly as phase insulation in stators.

Delivery forms

Original rolls with approx. 600 mm width or slit rolls

Mechanical	Unit of measure		
Nominal thickness before grain	ca. mm	0.15	0.25
Nominal thickness after grain	ca. mm	0.38	0.48
Film thickness	µm	23	23
Weight	m²/kg	5.3	3.3
Specific weight	g/m²	190	300
Specific weight tolerance	%	± 12	± 12
Tensile strength longitudinal	N/10 mm	≥ 90	≥ 175
Tensile strength transversal	N/10 mm	≥ 70	≥ 110
Elongation at break longitudinal	%	≥ 3	≥ 3
Elongation at break transversal	%	≥ 10	≥ 10

Electrical	Unit of measure		
Nominal thickness	mm	0.15	0.25
Dielectric strength	kV	≥ 4	≥ 4

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

