

Flexible insulation laminates NKN

PRODUCT DESCRIPTION

DyTerm® K is a three plies laminate composed of 2 layers of calendered Nomex® aramid paper (thicknesses available as of 2 mils up to 7mils) coupled with a polyimide film (thicknesses available 25 microns or 50 microns).

PROPERTIES AND CERTIFICATIONS

DyTerm® K is a flexible material combining excellent characteristics, such as high dielectric strength thanks to the presence of the film, high thermic resistance and superior mechanical properties. Thermal characteristics reach the highest level thanks to the usage of a special polyurethanic adhesive. The materials can be used up to 200°C.

APPLICATIONS

DyTerm® K is used when a superior dielectric strength as well as thermic resistance are required. It is used in particular as slot liner, slot closure in electric motors or as inter-winding insulation in transformers and in other electrical applications.

FORMATS

Master rolls width is 914mm untrimmed.

Other formats available upon request.

Properties	UM	Tolerance	Coveme material name*							Test method
			N2DK 25	N2DK 50	N3DK 25	N3DK 50	N5DK 25	N5DK 50	N7DK 25	
Total thickness	mm	± 15%	0,14	0,17	0,20	0,22	0,30	0,32	0,40	IEC 626
Nomex nominal thickness single layer	µm (mils)	-	50 (2)	50 (2)	80 (3)	80 (3)	130 (5)	130 (5)	180 (7)	IEC 626
Film nominal thickness	µm	-	25	50	25	50	25	50	25	IEC 626
Weight	g/m ²	± 12%	135	170	190	220	300	330	410	IEC 626
Yield	m ² /Kg	±12%	7,4	5,9	5,3	4,5	3,3	3,0	2,4	IEC 626
Tensile strength M.D.	N/cm	min	140	160	160	200	270	300	450	IEC 626
Elongation M.D.	%	min	15	17	15	17	15	17	15	IEC 626
Breakdown voltage	kV	min	7	9	7	9	7	9	7	IEC 626
Breakdown voltage	kV	Characteristic value	7	12	9	13	10	13	14	

*eg. N2K25 reads, Nomex 2 mils, Double layer, Polyimide (K), 25 microns

The values given are average values and not specifications
DyTerm® is a Coveme trademark
Nomex® is a Du Pont trademark

Coveme spa is UNI EN ISO 9001-2008 certified



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