

Flexible insulation laminates NM 80

PRODUCT DESCRIPTION

DyTerm® N3S is a two plies laminate composed of 1 layer of calendered Nomex® aramid paper 80 microns thick (3mils) coupled with a polyester film.

PROPERTIES AND CERTIFICATIONS

DyTerm® N3S is a flexible material in thermal class H 180°C (UL file number E209645) combining excellent characteristics, such as high dielectric strength, high thermic resistance and superior mechanical properties.

Thermal characteristics reach the highest level thanks to the usage of a special polyurethanic adhesive in class H 180°C.

APPLICATIONS

DyTerm® N3S can be used as slot liner, slot closure of phase insulation in electric motors. It is also widely used as inter-winding insulation in transformers or in other electrical machines.

FORMATS

Master rolls width is 914mm untrimmed or till 1828mm upon request.

Other formats available upon request.

Properties	UM	Tolerance	Coveme material name*									Test method
			N3S 25	N3S 36	N3S 50	N3S 75	N3S 100	N3S 125	N3S 190	N3S 250	N3S 350	
Total thickness	mm	± 15%	0,11	0,12	0,14	0,16	0,19	0,22	0,28	0,34**	0,44**	IEC 626
Film Thickness	µm	± 10%	23	36	50	75	100	125	190	250	350	IEC 626
Weight	g/m²	± 12%	120	135	155	190	220	255	340	420	565	IEC 626
Yield	m²/Kg	±12%	8,33	7,41	6,45	5,26	4,55	3,92	2,94	2,38	1,77	IEC 626
Tensile strength M.D.	N/cm	min	100	120	130	140	160	180	230	280	340	IEC 626
Elongation	%	min	15	15	15	15	15	15	20	20	20	IEC 626
Breakdown voltage	kV	min	6	7	8	10	11	13	16	18	21	IEC 626

* eg. N3S25 reads **Nomex 3** mils , **Single layer, 25µ** Pet thickness

** Thickness tolerance is ±10%.

U.L. approved file No. E209645

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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Printed on paper made from 100% recycled waste

