

NMN / NPN



Dexlu Item No.: D030103

Properties

NMN / NPN is made of two layers of Du Pont Nomex paper laminated with one layer of polyester film. It has good dielectric properties, high heat resistance and mechanical strength, is suitable for electric motors as slot, phase, turn-to-turn, liner insulation of class F.

Data Form

Item		Unit	Value								
Structure		Mil	222	232	242	252	272	2102	333	353	373
Structure Thickness	Nomex	mm	0.050	0.050	0.050	0.050	0.050	0.050	0.075	0.075	0.075
	PET Film	mm	0.050	0.075	0.100	0.125	0.188	0.250	0.075	0.125	0.188
	Nomex	mm	0.050	0.050	0.050	0.050	0.050	0.050	0.075	0.075	0.075
Nominal Thickness		mm	0.17	0.19	0.22	0.24	0.30	0.37	0.24	0.30	0.35
Thickness Tolerance		mm	± 0.02								
Nominal Area		m ² /kg	5.88	5.10	4.30	3.70	2.80	2.20	3.80	3.00	2.30
Specific Weight		g /m ²	170	196	230	270	357	450	263	330	425
Tensile Strength (min)	MD	N/cm	160	160	180	220	270	320	220	270	320
	TD	N/cm	90	110	130	180	200	250	180	200	250
Elongation (min)	MD	%	15	10	12						
	TD	%	20	15	18						
Breakdown Voltage (min)		KV	8	12	14	16	18	24	16	18	24
Bond Strength at room temp		No Delamination									
Bond Strength at 180 ± 2 C		No Delamination, No Blister, No Adhesive Flow									

Nomex is the registered trademarks of Du Pont.

Specification

Standard width: 910mm, or slit into the width required

Packing: In Carton

Min Qty: 1000kg each size in a lot.

Shelf life: one year from the data of delivery. It can still be used if it is qualified by testing after one year according to above Technical Requirement.

Note: The values noted in above technical specification are given only for our customers' reference and should not be used in writing specifications.