

TECHNICAL DATASHEET

Flexible Composite Paper

FIEXICOM F

(nmn / npn)

Nomex Polyester Nomex

Description

Flexicom f nrnn/npn is a 3 ply composite flexible insulating paper made of Calendered Polyamide Nomex Paper on both sides .of polyster film using thermosetting adhesive as the bonding material.

Features

- Good Flexibility
- Higher dielectrical strength
- Higher thermal stability
- Free of Voids,air pockets
- Compatible with all insulating impregnating varnish

Application

Flexicom f nmn/npn finds its application for slot insulation, interphase insulation and liner insulation in class Felectrical motors, transformers And electrical equipments.

Properties

Combination	Nominal thickness (um)	
	One layer Polyster	Two-layer Nomex 410 (thickness of one layer)
0.15(222)	50	50
0.18(232)	75	50
0.20(242)	100	50
0.23(252)	125	50
0.25(262)	150	50
0.30(282)	190	50
0.35(383)	190	80

No.	Properties		Units	Values							
				0.15	0.18	0.20	0.23	0.25	0.3	0.35	
1	Nominal Thickness		mm	0.15	0.18	0.20	0.23	0.25	0.3	0.35	
2	Thickness tolerance		mm	±0.02			±0.03		±0.04		
3	Grammage		g /m ²	180 ± 25	210 ± 30	240 ± 30	260 ± 35	300 ± 40	350 ± 50	430 ± 50	
4	Tensile strength	MD	No bending	N / Cm	≥150	≥160	≥180	≥200	≥220	≥270	≥320
			After bending		≥80	≥110	≥130	≥150	≥180	≥200	≥250
		TD	No bending		≥90	≥110	≥130	≥150	≥180	≥200	≥250
			After bending		≥70	≥90	≥110	≥130	≥150	≥170	≥200
5	Elongation	MD	%	≥ 10			≥ 12				
		TD		≥ 15			≥ 18				
6	Breakdown voltage	No bending	kv	≥7	≥10	≥11	≥12	≥13	≥15	≥20	
		After bending		≥6	≥8	≥9	≥10	≥12	≥13	≥16	
7	Bonding property at room temp.			No delamination							
8	Bonding property at 180±2□			No delamination, no bubble, no adhesive flow							
9	Temperature index of heat-resistance in a long term (TT)		-	≥155							

Test method

IEC 626

Availability

- Width 914mm
- Roll Weight: SOKgs
- Core 10 : 76 mm

Other combinations are available at per customer request.

Packaging

In strong cartoon.

Storage

It should be stored under normal working condition for unlimited period and should be kept at dust free area.

DISCLAIMER

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application