

# laminates

## Myoflex® 2N50

- ▶ **Class F (155°C)**
- ▶ **Listed in our VR-Spa-180 system (Class 180°C system, as per UL 1446)**
- ▶ **High mechanical properties**
- ▶ **Good resistance to temperature thanks to high performance adhesive system**

120-180kg, 925 mm untrimmed wide, with inner core 3 inches (76mm) and outer diameter max 400mm  
 -in tapes with different widths starting from 6mm and OD 380mm

### Protection

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### General description

Myoflex® 2N50 is a three-ply flexible laminate made of a 50µ Nomex® paper, Polyester film and a 50µ Nomex® paper bonded with a synthetic resin.

### Application

Myoflex® 2N50 is suitable for insulation in electrical motors and transformers with a maximum operating temperature of 180°C. It is used as insulation materials for low or medium voltage rotating machines : ground and slot. It can be used, as well, as intermediate layer in transformers.

### Typical Properties

2N50 mm	NMN mils	tol.	Pet µm	Weight g/m <sup>2</sup>	Yield m <sup>2</sup> /Kg	Tensile Strength		Breakdown		
						N/cm (DM)	N/cm (TM)	kV		
0,15	2/1/2.	± 12%	23	144,2	7,24	> =	100	80	> =	6
0,17	2/2/2.	± 12%	50	182,0	5,68	> =	140	110	> =	9
0,19	2/3/2.	± 12%	75	217,0	4,74	> =	160	140	> =	10
0,22	2/4/2.	± 12%	100	252,0	4,07	> =	180	150	> =	14
0,24	2/5/2.	+12,-10%	125	287,0	3,56	> =	220	200	> =	16
0,31	2/7,5/2	+12,-10%	190	378,0	2,69	> =	280	260	> =	18
0,37	2/10/2.	± 10%	250	462,0	2,19	> =	330	300	> =	20
0,42	2/12/2.	± 10%	300	532,0	1,90	> =	370	350	> =	23
0,47	2/14/2.	± 10%	350	602,0	1,68	> =	400	380	> =	28

### Processing

Myoflex® 2N50 can be applied manually or with modern automatic machines.  
 It can be easily cut, sheared, bent or moulded.

### Shelf life

Myoflex® 2N50 should be stored in a cool dry place; under such conditions the shelf life is unlimited.

### Form of delivery

Myoflex® 2N50 is supplied as follows:  
 - in roll of 50 or 100 kg and in jumbo roll between