

## NMN & NPN Nomex-Polyester-Nomex Laminates

### Description:

**NMN Nomex-Mylar-Nomex Laminate** (equivalent to Myoflex® 2N50, 2N80, 2N130; ISONOM® 0881, 0883, 0967; TRIVOLTHERM® N50,80,130) is a three-ply flexible laminate consisting of PET film covered on both sides with Nomex® paper **with DuPont Nomex Logo**.

**NMN** is also called as **NPN**, shows high thermal resistance, excellent mechanical properties, and electrical properties. It is designed for automatic insertion machine.



### Application:

**NMN** is mainly used as a slot liner, slot closure, phase-to-phase and turn-to-turn insulation in low or medium voltage electrical motors of Class F (155°C) or Class H (180°C) insulation system. In addition, it is also used as interlayer insulation in transformers and other electrical machines and appliances.

### Technical Data:

Type	Structure	Nominal Thickness	Nomex Thickness	PET Film Thickness	Area Weight	Tensile Strength		Breakdown Voltage
		mm	µm	µm		MD N/cm	TD N/cm	
<b>NMN F50</b>	2-1-2	0.14	50	25	140	100	80	7
	2-2-2	0.16	50	50	169	150	110	9
	2-3-2	0.19	50	75	200	180	140	11
	2-4-2	0.21	50	100	235	205	170	13
	2-5-2	0.25	50	125	280	240	195	16
	2-7.5-2	0.30	50	190	350	300	275	19
	2-10-2	0.36	50	250	440	350	320	23
	2-12-2	0.42	50	300	510	380	350	25
	2-14-2	0.47	50	350	580	410	380	28
<b>NMN F80</b>	3-1-3	0.20	80	25	185	180	110	8
	3-2-3	0.22	80	50	220	200	150	10
	3-3-3	0.25	80	75	255	230	180	12
	3-4-3	0.28	80	100	290	250	200	14
	3-7.5-3	0.36	80	190	415	360	300	20
	3-10-3	0.42	80	250	500	420	380	23
	3-12-3	0.48	80	300	570	470	410	25
	3-14-3	0.53	80	350	640	490	440	30
<b>NMN F130</b>	5-1-5	0.30	130	25	295	190	140	8
	5-3-5	0.35	130	75	365	220	200	12
	5-5-5	0.41	130	125	435	320	270	16
	5-7.5-5	0.47	130	190	520	370	310	19
	5-10-5	0.52	130	250	610	450	340	20
	5-14-5	0.62	130	350	750	500	400	23

**Nomex Paper Thickness:** 2mil (50µm), 3mil (80µm), 5mil (130µm), 7mil (180µm).

**Rolls:** 3 inch (76mm) Core, width from 4mm to 914mm

Note: The technical information, data, recommendations, and other statements provided are based on tests or research which we believe to be reliable, but such information shall in no event constitute a warranty of any kind by Liren. Before using this product, all purchasers should carefully evaluate its suitability for their intended applications. Nomex & Mylar are registered trademarks of DuPont. ISONOM is a registered trademark of Isovolta. Myoflex is a registered trademark of Von Roll. Trivoltherm is a registered trademark of Krempel.