

LINQFILM **NK23**

Nomex Kapton film

- 3mil Polyimide - 2mil Aramide
- >14000V Breakdown Voltage
- Class H insulation

LINQFILM NK 23 is a two-ply laminate film consisting of 3 mils of Polyimide (Kapton) laminated with 2 mils of Aramid (Nomex) paper from one side, resulting in a film with a total of 5 mil thickness. Nomex paper is bonded to the Polyimide film at high temperature and results in a laminate with good dielectric properties, high heat resistance and high mechanical strength.

NK means Nomex - Kapton. Both Nomex and Kapton are registered trademark names of Aramid paper and Polyimide film respectively. While the trademarks have expired a long time ago, the abbreviation for this kind of laminate remained NKN (NK in this case). Nomex Kapton (Aramid Polyimide) films are great **Class H** insulators for slot, phase, turn to turn, liner and barrier applications in rotating motors. They can be used as transformer and inductor windings while being a popular choice for a wide range of electrical applications.

Property	Value	Unit
Polyimide layer	3	mil
Nomex layer	2	mil
Nominal Thickness	0.155	mm
Yield	0.30	lbs/yd ²
Tensile strength	>250	lbs/inch
Elongation	15	%
Breakdown Voltage	>14000	V

Storage and Handling

Shelf life is more than 1 year if stored in a dry and cool, well ventilated place at room temperature. The product complies with the RoHS and REACH regulations

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