

LINQTAPE NKN 333



3-mil Nomex / 3-mil Polyimide/ 3-mil Nomex Laminate

- 2 Layers of Nomex with a polyimide film
- Breakdown Voltage 18,000 V
- Thermal Class H (180°C - 200°C)

LINQTAPE™ NKN 333 is a three-ply laminate film consisting of 3 mils of Polyimide (Kapton) laminated between 3 mils of Aramid (Nomex) paper from each side, resulting in a film with a total of 9 mil (10 mil nominal) 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.

NKN means Nomex - Kapton - Nomex. Both Nomex and Kapton are registered trademark names of Aramid paper and Polyimide film respectively. While the trademarks has expired a long time ago, the abbreviation for this kind of laminate remained NKN.

LINQTAPE™ NKN 333 Film comes in 45.7 meter (50 yard) rolls with a width of 914 mm (36").

Specifications

| Property | Value | Unit |
|------------------------|--------------|----------|
| Color | Natural | - |
| Adhesive Type | None | - |
| Film Thickness | 76.2 (3) | um (mil) |
| Nomex Thickness | 2 x 76.2 (3) | um (mil) |
| Release liner | None | - |
| Total Thickness | 254 (10) | um (mil) |
| Temperature Resistance | 200 | °C |
| Tensile Strength | 150 | psi |
| Elongation | 10 | % |
| Breakdown Voltage | 18,000 | V |

Storage and Handling

Shelf life is 2 years if stored in a dry and cool, well ventilated place at room temperature.

The product is supplied in rolls and should be kept in a cool (10°C – 25°C) dry place (40% – 75% humidity) away from direct sunlight or temperature extremes. Once removed from packaging it should be protected against dust and other impurities.

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