



Isonom NKN 2039

Isonom NKN 2039 is a flexible, composite electrical insulation that displays high tensile and electrical strength, combined with excellent tear resistance. Manufactured by Isovolta, this high quality material consists of a layer of Kapton Polyimide film which is coated on both sides with a layer of uncalendered Nomex. The use of uncalendered Nomex 411 in the construction of Isonom NKN 2039 makes this particular grade highly flexible and highly absorbent in comparison to other grades. It is commonly used as a slot liner, slot closure, and phase insulation in thermal high stressed electric motors up to 180°C (Class H). It is also used as interlayer insulation in transformers and other electrical machines and appliances.

Technical Data:

Property:	Value:	Value:	Value:	Test Method:
Nominal Thickness	0.25mm	0.27mm	0.30mm	---
Tolerance	±0.02mm	±0.03mm	±0.03mm	IEC 626
Total Substance	147 g/m ²	183 g/m ²	220 g/m ²	IEC 626
Nomex 411	130 µm	130 µm	130 µm	IEC 626
Polyimide Film	25 µm	50 µm	75 µm	IEC 626
Nomex 411	130 µm	130 µm	130 µm	IEC 626
Tensile Strength MD, TD	≥ 35 N/cm	≥ 35 N/cm	≥ 35 N/cm	IEC 626
Elongation MD, TD	≥ 3%	≥ 3%	≥ 3%	IEC 626
Breakdown Voltage	≥ 5 kV	≥ 9 kV	≥ 12 kV	IEC 626
Thermal Classification	180°C	180°C	180°C	IEC 216
Thermal Classification	200°C	200°C	200°C	UL 1446

Availability:

Associated Gaskets keep a large range of Isonom including NKN 2039, in 945mm wide log rolls. Rolls can also be cut or slit to suit your application. Unlimited shelf life if stored at 20°C, 50% relative humidity.



AG also stock a large range thermal insulation, sealing materials and specialised electrical products. For more information on these products and many more, please visit our website or call your nearest Associated Gaskets branch.

Visit: www.agaus.com.au

Phone: 1300 098 060

Important
This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.