

ISONOM[®] NMN 2035

Composition

ISONOM[®] NMN 2035 consists of PET film, covered on both sides with Nomex¹ type 411. For bonding the layers a high temperature adhesive system is used.

Properties

ISONOM[®] NMN 2035 is a combined flexible material of thermal classification 180° C (H) with excellent mechanical properties like high tensile strength and high edge tear resistance combined with high electrical strength. ISONOM[®] NMN 2035 is highly flexible and has an absorbent surface.

Applications

ISONOM[®] NMN 2035 is mainly used as a slot liner, slot closure and phase insulation in the production of low voltage motors. Beside this ISONOM[®] NMN 2035 is used as interlayer insulation in transformers and other electrical machines and appliances.

Formats

Sheets: untrimmed width 38.0 inches x length on request
Rolls: max. untrimmed width 38.0 inches
Tapes: from 0.4 inches width upwards

Shelf Life

ISONOM[®] NMN 2035 can be stored unlimited under normal conditions (RT, 50% r. h.).

¹ NOMEX is a registered trademark of DuPont

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

Technical Data ISONOM NMN 2035

Properties	Test-method	Unit	Value	Value	Value
Composite			5-1-5	5-2-5	5-3-5
Composite thickness	IEC 60626	inches	0.010	0.012	0.013
Tolerance	IEC 60626	%	± 20	± 20	± 20
Product yield	ASTM D 202	Sq.Yds./ Lb	3.72	2.95	2.48
Dielectric strength	ASTM D 149	kV	≥ 4	≥ 6	≥ 6
Tensile strength	MD XD ASTM D 882	Lbs. / In	≥ 42 ≥ 42	≥ 42 ≥ 42	≥ 42 ≥ 42
Elongation	MD XD ASTM D 882	%	≥ 10		
Thermal classification	UL 1446	°C	180		

Properties	Test-method	Unit	Value	Value	Value
Composite			5-4-5	5-5-5	5-10-5
Composite thickness	IEC 60626	inches	0.014	0.015	0.020
Tolerance	IEC 60626	%	± 20	± 20	± 20
Product yield	ASTM D 202	Sq.Yds./ Lb	2.14	1.88	1.17
Dielectric strength	ASTM D 149	kV	≥ 10	≥ 14	≥ 23
Tensile strength	MD XD ASTM D 882	Lbs. / In	≥ 67 ≥ 67	≥ 67 ≥ 67	≥ 190 ≥ 168
Elongation	MD XD ASTM D 882	%	≥ 10		≥ 20
Thermal classification	UL 1446	°C	180		

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