



A FLEXcon Holdings Company

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TECHNICAL DATA SHEET

416NMN252 - 416 Nomex® / Mylar® / 416 Nomex®
Class H 180°C Insulation

A composite laminate of type 416 Nomex® meta-aramid fiber sandwiched between two electrical grade Mylar® polyester films, bonded by a high temperature structural adhesive system.

PRODUCT ATTRIBUTES

- Excellent thermal stability and electrical properties
• High tear, tensile, and burst strength
• Excellent moisture and chemical resistance
• UL 1446 180°C recognized insulation system, file E60273

PRODUCT APPLICATIONS

- Slot and phase insulation for motors and generators
• Layer and ground insulation for Class H dry type transformers

Table with 3 columns: PROPERTY, VALUE, TEST METHOD. Rows include NOMINAL THICKNESS, YIELD, DIELECTRIC STRENGTH, DIELECTRIC CONSTANT, TENSILE STRENGTH, GRAVES TEAR STRENGTH, DISSIPATION FACTOR, VOLUME RESISTIVITY, and SURFACE RESISTIVITY.

STORAGE

- Shelf life: one (1) year
• Store in a clean area free from exposure to excessive heat, moisture or direct sunlight (50°F to 80°F).

Product performance will vary in each application and is dependent upon composite construction. Alamotape does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of this product. Data is representative and not intended as a manufacturing specification.