

DUPONT™ NOMEX® CREPE PAPER

PRODUCT INFORMATION BULLETIN



This specialized form of DuPont™ NOMEX® paper — creped tapes — allows its use in special applications where a high degree of flexibility, conformability and stretch are required. Some examples are end lead insulation, crossover patches, static ring covers, flexible tubes, and outer covering for continuously transposed cables (CTC).

All NOMEX® crepe products are produced from 100% NOMEX® brand papers. The inherent superior properties available with these materials include excellent flame resistance, high thermal index rating (rated by Underwriters Laboratories for continuous use at 220°C) and excellent resistance to chemical and radiological attack.

The unique blend of mechanical, electrical, thermal and chemical properties has provided the right balance for use in

transformers, motors, generators and other electrical equipment for more than 30 years.

Three specific types of NOMEX® crepe paper are available in tape form:

NOMEX® 7 mil Type 411

Type 411 is an uncalendered paper with low density and a high degree of absorption. Due to the low density, this product has relatively lower dielectric strength than Type 410. However, if used in fluid-filled applications, it will have a high degree of absorption, and the fluid will provide the primary electrical resistance. Mechanical properties will provide adequate stretch and excellent conformability to the wrapping of conducting parts containing severe bending angles and flexible tubes.

NOMEX® 2 mil Type 410

Type 410 is a calendered paper with high densification and excellent mechanical and electrical strength. Due to the high thermal capability (220°C) and excellent physical properties, this product can be suitable for use in both dry and fluid applications. The high degree of stretch afforded by the creped structure will allow excellent conformability in the wrapping of conducting parts, while the superior mechanical

strength will support a high degree of tension and tight fit for wrapping parts by machine or by hand. Although the density is high, the product is thin enough to provide adequate absorption of fluids and resins.

NOMEX® 3 mil Type 410

Type 410 is a calendered paper with high densification and excellent mechanical and electrical strength. The electrical and mechanical properties are higher than the 2 mil Type 410 product.

This product is well suited for applications where the user prefers or is required to provide a higher dielectric resistance in high voltage applications. As stated for 2 mil Type 410, the high degree of stretch afforded by the creped structure will allow excellent conformability in the wrapping of conducting parts, while the superior mechanical strength will support a high degree of tension and tight fit for wrapping parts by machine or by hand. Although the density is high, the product is thin enough to provide adequate absorption of fluids and resins.

Technical data sheets on the individual product properties are available. Please contact your local distributor or visit the website for DuPont™ NOMEX® at www.dupont.com/nomex.

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Product safety information is available upon request.

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H-98111 Rev. 08/03



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