

NOMEX
only by DuPont



NEW TWO-PLY LAMINATES OF NOMEX®

PERFORM WHEN THE HEAT'S ON



Meeting your needs, and the needs of your customers

Low maintenance and downtime costs. Reliable performance. Long service life. Your customers expect it all in the equipment they purchase from you. You, in turn, expect nothing less in the insulation you use in the motors you manufacture. Now, with DuPont™ NOMEX® Laminate, Type NM, both your and your customers' expectations can be met.

Thin is in, high costs are out

DuPont™ NOMEX® Laminate, Type NM, available from 3 to 19 mils thickness, is significantly thinner than three-ply DMD polyester laminates and provides outstanding electrical and mechanical properties. This reduction in thickness, combined with the slickness of DuPont™ NOMEX® Laminate, Type NM, can help improve the manufacturing process by increasing the speed of automatic insertion machines and reducing equipment failures.

And, because DuPont™ NOMEX® Laminate, Type NM, outperforms DMD polyester laminates in extreme environments, the motors that customers purchase from OEMs benefit from consistent performance, improved reliability and increased life spans. This results in decreased downtime and maintenance costs over time and contributes to reducing overall motor costs.

Reliable performance when the heat's on

The outstanding thermal capabilities of DuPont™ NOMEX® Laminate, Type NM, support temperatures up to 155°C at continuous use, compared to polyester laminates, which are manufactured using 130°C materials and degrade over time. And, since NOMEX® is a UL-certified 220°C material, it gives the two-ply laminate reliability that cannot be found in polyester-based laminates. Safety margins like these offered by DuPont™ NOMEX® Laminate, Type NM, can result in valuable peace of mind for OEMs and end-users.

The preferred solution for OEMs and end-users

A motor's reliability depends a great deal on the performance of the insulation materials within it, since the insulation plays a pivotal role in a motor's expected service life. It can also lead to significant savings in maintenance and downtime costs. That's why OEMs are turning to DuPont™ NOMEX® Laminate, Type NM.

In addition to helping OEMs realize significant efficiencies by offering the same or better processing yields than DMD polyester laminates, DuPont™ NOMEX® Laminate, Type NM, provides higher levels of electrical, chemical and mechanical integrity. It also helps extend equipment life, reduce premature failures, and acts as a safeguard should unexpected electrical stress situations occur. Previously, OEMs considered three-ply DMD polyester-based laminates to fulfill these critical performance needs. Now, they look for the cost-effective, unique, innovative and viable alternative...DuPont™ NOMEX® Laminate, Type NM.

For more information about DuPont™ NOMEX® Laminate Systems, visit www.dupont.com/nomex, or contact our exclusive sales agent, Von Roll Isola, Inc., at (404) 495-4800.

New alliance brings significant advantages to OEMs

DuPont and Von Roll Isola, Inc. (VRI) have entered into a new alliance agreement wherein VRI has been named the manufacturer and sales agent of DuPont™ NOMEX® Laminate Systems. Under the agreement, VRI will work closely with electrical equipment manufacturers on material procurement and in concert with marketing, sales and technical teams at DuPont on technical and product-related issues. Other benefits customers will realize as a result of this innovative alliance include:

- A thorough understanding of the laminate marketplace and insight into industry safety trends and standards
- Unmatched industry, product and application knowledge and unparalleled thermal technology experience
- Consistent technical and performance quality of DuPont™ NOMEX® Laminate Systems
- New, customizable grades of laminates that enhance motor design and performance
- High-level engineering support for either slight or significant insulation material design changes

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