NM / NMN Laminates

NOMEX® Laminate Type NMN is a triplex laminate constructed of calendared NOMEX® paper bonded to polyester film with Bondex's own proprietary high temperature adhesive system. These laminates are designed not to delaminate or blister at high temperatures. The polyester film in these two, three and four-ply laminates contributes high dielectric strength, as well as good initial tear strength and tensile properties.

The calendared NOMEX® paper provides long-term thermal stability, as well as improved propagation tear strengths. When the film is to be used as a dielectric throughout the life of the unit, three ply combinations are recommended. This allows the film to be protected on both sides, and as tests and field experience have indicated, this greatly extends its useful life at elevated temperatures.

Nomex® 416 is the standard paper used in Nomex/Polyester film composites. Nomex® 416 is recognized by UL as a 200°C material. Other types of Nomex® paper are available, predominantly Types 464 and 410 papers.

Bondex NOMEX® NK and KKN duplex and triplex laminates constructed of calendared NOMEX® paper bonded to high quality polyimide film, using Bondex proprietary high temperature adhesive system. These laminates are designed not to delaminate or blister at high temperature. The polyimide film used in these duplex and triplex laminates contributes high dielectric strength, as well as good initial tear strength and tensile.

Underwriters Laboratories (UL) recognizes these Nomex / Polyimide based laminates for use in temperature classes up to and including 220°C.