

NOMEX TAPE

Nomex[™] 410 insulation is a tough, 220°C paper that exhibits excellent physical, thermal and electrical properties. Nomex[™] is compatible with transformer oil and most commonly used with varnishes ad resins in both dry and oil-filled applications. Nomex™ insulated wire is also used in power generation and lifting magnets to meet high temperature requirements.

Rea Material Code: **TNOM**

Rea Insulation Code: 69

Insulation Material Description: Aromatic Polyamide Tape Wrapped

Thermal Class: 220

Shape: Round

Conductor: Copper

NEMA Specification: MW

61-C

IEC Specification:

60317-52

MARKETS

Transformers: General **Utility Distribution Transformers Utility Power Transformers Specialty Transformers**

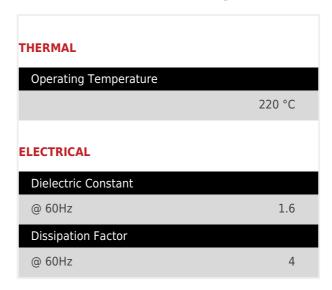
TYPICAL APPLICATIONS

Oil-filled transformers, utility transformers, power generation and lifting magnet applications.

FEATURES AND BENEFITS

- Nomex[™] 410 offers high dielectric strength properties, mechanical toughness and high flexibility.
- Typical tape thicknesses used for wrapping conductor is 2 mil. Other thicknesses are available upon request
- Rea offers one-, two-, three- or four-roll constructions with various overlap options available. Most common construction utilizes two tapes with 50% overlap utilizing Magna-Ply™ processing that was developed at a Rea Magnet Wire facility.

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Minimum overall increase in insulations thickness for 2 mil

tape utilizing two tapes is 7 mil, per NEMA MW 1000-2018.

Typical is 8 mil increased in total build.

Dielectric breakdown of not less than 300 V/mil of the minimum thickness of paper covering one side or half the minimum increase in build, per NEMA MW 1000-2018.