



Electrical Tape 1276

Paper-Backed Filament Tape with Oil-Saturable Backing

Data Sheet

- Stable adhesive even after long exposure to transformer fluids
- Saturable backing for air entrapment resistance
- Minimal air trapped between adhesive layers in tape
- Minimum contamination of oil power factor and interfacial tension
- Stiffness for superior handling, which promotes operator efficiency
- Diamond paper insulation thermal bonding compatibility with back side of tape

3M™ Electrical Tape 1276 is made of an electrical-grade paper backing, reinforced with parallel glass filaments and an oil-compatible acrylic pressure-sensitive adhesive. Unlike conventional film-backed tapes, this product's paper backing construction provides for complete impregnation and saturation of the tape in adjacent layers of insulation. This feature minimizes the possibility of voids leading to corona discharges, with subsequent deterioration of insulation materials.

Polyester film used in making traditionally designed filament tapes does not absorb transformer oil. The unique coating on the back side of 1276 tape promotes exceptional bonding of the diamond paper insulation epoxy during the transformer baking process.

Properties	Typical Values*
Thickness	9.0 mils (.228 mm)
Breaking strength at break	275 lbs./in (481 N/10mm)
Elongation at break	5%
Adhesion to steel	40 oz/in (4.4 N/10,,)
Dielectric breakdown	3500V
Electrolytic corrosion factor	1.0

*Not intended for specification purposes. Product specifications will be provided upon request.

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Electrical Products Division

6801 River Place Blvd.
Austin, TX 78726-9000
800 676 8381
<http://www.3m.com/elpd>

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