

PRODUCT DATA SHEET

0003FR
PREMIUM PVC ELECTRICAL TAPE

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DESCRIPTION

The Premium PVC Electrical Tape offers World Leading Certification and high performance characteristic. It has a very good dielectric strength, high conformability and an aggressive rubber adhesive, which combine to make this an ideal tape for a wide range of insulation applications. It has overall excellent resistance to moisture, abrasion, chemicals, aging, corrosion and varying weather conditions. Available in industry standard colour range for colour coding.



FEATURES



LEAD FREE PVC BACKING

Made from lead free PVC film with high performance characteristic & conformability and very good dielectric strength. Compatible with dielectric cable insulations.



AGGRESSIVE RUBBER BASED ADHESIVE

Made from an aggressive pressure sensitive rubber based adhesive. It provides instant permanent bonding to a variety of surfaces without the need of more than pressure.



INTERIOR & EXTERIOR APPLICATIONS

Excellent resistance to moisture, abrasion, chemicals, aging, corrosion and varying weather conditions. Ideal for interior & exterior applications.



FLAME RETARDANT & SUNLIGHT RESISTANT

The tape is flame retardant & sunlight resistant, certified by UL Listed & CSA, with ability to withstand a temperature range up to 80°C / 600V.

CERTIFICATIONS



Listed
E50292



Listed
LR31971



UL LISTED

UL 510 Standard "Insulating Tape"
(File No: E50292, Vol 1.)
Temperature Rating +80°C / 600 V
Flame Retardant & Sunlight Resistant

CSA CERTIFICATION

Standard C22.2
(No: 197-M11983, File No: 031971-0-000)
Class No. 9052 02 Insulating & Materials Electrical Tape

ROHS STANDARD

Directive 2011/65EU (ROHS 2.0)

TYPICAL APPLICATIONS

- Primary electrical insulation for all wire & cable joints rated up to 80°C / 600V.
- Used to seal & secure on protective jacketing for high voltage cable joints & repairs.
- Colour coding for wiring, cables & cords in the construction & entertainment industries.
- Prevention of electrolytic corrosion & excellent moisture resistance.
- Excellent for general sealing, repairing, reinforcing & sports applications.

TECHNICAL INFORMATION

| | | |
|---|--|--|
| Backing | PVC Film (Lead Free) | |
| Adhesive | Aggressive Rubber | |
| Colour *Available in Rainbow Packs | <ul style="list-style-type: none"> Black Grey White Red Yellow & Green Stripe | <ul style="list-style-type: none"> Blue Green Yellow Orange |
| Thickness | 0.18mm | |
| Adhesion to Steel (ASTM D-1000) | 0.45kgf / 25mm (18N / 100mm) | |
| Adhesion to Backing (ASTM D-1000) | 0.45kgf / 25mm (18N / 100mm) | |
| Tensile Strength (ASTM D-1000) | 7.0kgf / 25mm (260N / 100mm) | |
| Elongation | +180% | |
| Heat Resistance | UL | + 80°C |
| | CSA | + 90°C |
| Cold Resistance | CSA | - 7°C |
| Flammability | UL | PASS |
| | CSA | PASS |
| Dielectric Breakdown | 7kv (39.4 kv/mm) | |
| Core Diameter | 32mm | |
| Roll Length | 20m | |
| Standard Roll Width | 18mm | |
| Packaging | Each roll labelled & barcoded | |
| Total Rolls / Carton | 100 rolls (10 rolls per pack) | |

SIMILAR PRODUCTS

- **0007FR** - Multi Purpose Insulation Tape

NOTE: We recommend tape product testing to assess the suitability of the selected product to the end application & conditions. For surface preparation and guidelines please refer to our website www.tapespec.co.nz_Advanced Tape Application Guide.

SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, & fats, oxidation, release agents & any other known contamination.

The correct choice of surface cleaner depends on the surface properties. Essentially non-greasy cleaners are recommended including isopropanol alcohol (mixed 50/50 with clean water). Cleaning cloths must be clean, grease & fat free with no loose fibers or cloth particles.

The bond strength is dependent upon the contact pressure of the adhesive to substrate. To assist this process all adhesive tapes require firm hand or roller pressure.

BONDING APPLICATION TEMPERATURE

We recommend that the product, substrate & environment should be between +15°C & 30°C. Ensure that the adhesive product & substrates are allowed time to adjust to the environment temperature before bonding.

For product storage we recommend that products are stored in their original packaging under dry conditions, ideally at room temperature but not warmer than +30°C. High relative humidity & direct sunlight must be avoided at all costs.

For more detailed handling instructions please refer to our comprehensive application guide.

PRODUCT USE

The information in this guide is based upon our knowledge & practical experience. This data is intended only as a source of information given without guarantee & does not constitute a warranty.

Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use. Trial samples are provided free of charge & without obligation.

For detailed surface preparation & application information please refer to our detailed Surface Condition & Preparation Guide.



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