

Product: **PVC 201X**

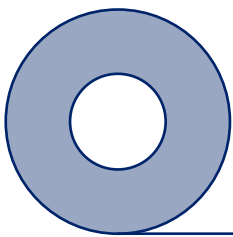
Productgroup: **Electrical Tapes**

### General description

Nitto PVC 201X is a PVC tape consisting of a pure PVC carrier coated with a rubber based pressure sensitive adhesive.  
The PVC tape is certified according to EN 60454 (Semko, Demko, Nemko, Fimko, IMQ, VDE) for electrical insulation applications.

Classification: IEC 60454-3-1-6 / F-PVCp / 90

### Construction



- Pressure sensitive rubber based adhesive
- Primer
- Plasticized PVC film

### Characteristics

Nitto PVC 201X is a genuine “soft” tape. No fillers of any kind are used during the production of the PVC tape to guarantee excellent elongation properties.

A good balance between adhesion strength, unwind force and film flexibility gives easy handling and perfect sealing properties. This avoids water penetration and increases chemical and electrical resistance as well as bending properties.

The PVC tape is suited for electrical insulation applications at high voltages.  
The PVC tape has excellent flame retarding properties.  
The tape is furthermore resistant to acids and alkalines.

### Application

Nitto PVC 201X is an ideal product for electrical insulation and protection. Identification and wrapping of the earth wire in electrical appliances.  
Sealing applications such as holding for reinforcing and general purpose

### Features

- pure plasticized PVC
- no fillers
- non-sticking side treatment
- excellent elongation
- excellent relaxation
- flame retardant
- no flagging
- free from lead compounds

**Properties**

|                                  |                                 |              |
|----------------------------------|---------------------------------|--------------|
| Film type                        | Plasticized PVC film            |              |
| Adhesive type                    | Synthetic rubber based adhesive |              |
| Total thickness                  | 0.15 mm                         |              |
| Tensile strength at break        | 235 N/10 mm <sup>2</sup>        | 67 N/19 mm   |
| Elongation at break              | 235%                            |              |
| Adhesion to 2B steel             | 2.9 N/10 mm                     | 550 cN/19 mm |
| Adhesion to backing              | 2.9 N/10 mm                     | 550 cN/19 mm |
| Electrical strength              | 52 kV/mm                        | 7.8 kV       |
| Electrical insulation resistance | 10 <sup>13</sup> Ohm / 25 mm    |              |
| Minimum application temperature  | -10 °C                          |              |
| Maximum operating temperature    | 90 °C                           |              |
| Flame resistance                 | Self-extinguishing              |              |

All tests are performed according to Nitto Europe NV test methods based on IEC 60454-2 and all values are nominal indications.

**Availability\***

Colours: black, blue, green, red, grey, yellow, yellow-green, white, brown  
 Widths: 15, 19, 25, 30, 38 and 50 mm  
 Lengths: 10 and 25 m  
 Core diameter: 31.5 mm

\* Please contact us for specific requests, flexibility is our strength.

**Application guidelines**

- For optimal application conditions, we advise you to keep the roll at room temperature before applying.
- Cover the surface with an overlap of minimum 50% for harnessing applications.

Our technical center is always at your disposal for special application requests.  
 Please contact us to make an appointment.

**Precautions**

All products manufactured by NITTO EUROPE NV are guaranteed to be free from defect at the time of shipping when tested according to NITTO EUROPE NV product specifications. Properties of the products are susceptible to change due to various influences such as composition and condition of the substrate, impurities in or on the substrate, temperature and humidity of storage and the surrounding environment during application etc. When the NITTO product is used in combination with other material, the user shall assure by his own tests the compatibility of the NITTO product in the resulting combination and whether the combination results in the expected performance.

**Packaging and storage**

The product should be protected against direct sunlight and extremes in temperature and humidity and stored upright in its original packaging. Once removed from its packaging, it should be protected against dust and other impurities.

**Test methods and results**

The properties of these products are determined in accordance with NITTO test methods. Detailed description of these methods are available on request. The above figures are average values, established to our best knowledge, but not to be used for specification purpose.

Edition: July 2007  
 Code: DS/05.01/B 201X ENG

Nitto Europe NV has obtained following certificates:

- ISO 9001
  - ISO 14001
  - ISO/TS 16949
- Please check our website for applicable scope