

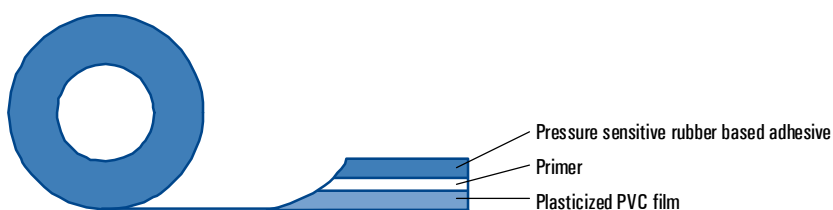
Product group **Electrical tapes**

Product **PVC 21**

## General description

Nitto PVC 21 is a premium grade PVC tape coated with a rubber based pressure sensitive adhesive. PVC 21 is accepted as top quality general use vinyl tape and widely used (incl. wiring applications). It provides excellent electrical insulation and adhesion plus high resistance to extreme temperatures.

## Construction



## Characteristics

Nitto PVC 21 is a genuine "soft" tape. No fillers of any kind are used during the production of the PVC tape. This way it has 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.

Nitto PVC 21 has a thick carrier (total tape thickness is 190 $\mu$ m) and it is an ideal tape for a wide range of applications

The PVC tape is suited for outside use thanks to the good ageing and weatherability properties. The tape is furthermore resistant to oils, acids and alkalines.

## Application

Nitto PVC 21 is an ideal product for heavy duty outdoor protection, wire and cable harnessing, masking and splicing, ventilation and airconditioning market. Insulation and protection of the lead-wire of electrical appliances and devices. Slippage prevention for hand-tools and hardware. Rust-preventing or protecting purposes. Can sealing, holding, reinforcing, sandblasting and general purpose.

## Features

- pure plasticized PVC
- no fillers
- non-sticking side treatment
- good weatherability
- good adhesion to backing
- excellent elongation
- excellent relaxation
- no flagging
- free from lead compounds

### Properties

Film type	plasticized PVC film
Adhesive type	synthetic rubber based adhesive
Total thickness	0.19 mm
Tensile strength at break	193 N / 10 mm <sup>2</sup>
Elongation at break	219%
Adhesion to 2B steel	1.85 N / 10 mm
Adhesion to backing	1.75 N / 10 mm
Electrical strength	50 kV / mm
Temperature range	-18 / +90 °C

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

### Availability\*

Colours: transparent, black, blue, green, red, grey, yellow, yellow-green, white

Widths: 15, 19, 25, 30, 38, 50 and 100 mm

Lengths: 10, 25 and 33 m

Core diameter: 31.5 mm

\* Please contact us for specific requests

### Application guidelines

- The product is applicable at a temperature between -18 °C and +40 °C
- We advise you to keep the roll at room temperature before applying at temperatures below -10 °C
- 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 n.v. are guaranteed to be free from defect at the time of shipping when tested according to NITTO EUROPE n.v. 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: May 2001  
DS/05.01/B1 21 ENG



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