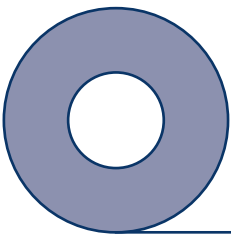# NITTO DENKO

Product:	**PVC 21**
Productgroup:	**Electrical Tapes**

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).

Construction

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

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

Characteristics

Nitto PVC 21 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.

Nitto PVC 21 has a thick carrier (total tape thickness is 190µm) 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. Slippage prevention for hand-tools and hardwares. Rust-preventing or protecting purposes. Holding, can sealing, reinforcing, sandblasting and general purpose.

Properties

	Test method	
Film type	Plasticized PVC film	
Adhesive type	Synthetic rubber based adhesive	
Total thickness	0.19 mm	
Tensile strength at break	193 N/10 mm²	70 N/19 mm
Elongation at break	219%	
Adhesion to 2B steel	1.85 N/10 mm	350 cN/19 mm
Adhesion to backing	1.75 N/10 mm	330 cN/19 mm
Electrical strength	50 kV/mm	9.5 kV
Minimum application temperature	-10 °C	
Maximum operating temperature	+90 °C	

All tests are performed according to Nitto Europe NV 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, brown, iso-grey, light blue, orange
Widths: 12, 15, 19, 25, 30, 38, 50 and 100 mm
Lengths: 10, 20 and 33 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.

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.

Nitto Europe NV has obtained following certificates:

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

NITTO DENKO