

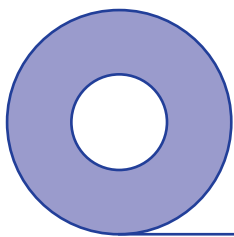
Product: **PVC 21**

Product group: **Insulating 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 a top quality general use vinyl tape.

Construction



- Rubber-based pressure sensitive adhesive
- Primer
- Plasticized PVC film

Characteristics

Nitto PVC 21 is a genuine “soft” tape. No fillers of any kind are used to guarantee excellent physical properties.

A good balance between adhesion strength, unwind force and film flexibility assures outstanding workability, high conformability and good sealing properties.

The tape has a good resistance against moisture, oils and solutions with acids and alkaline.

Nitto PVC 21 is a 190 micron thick insulating tape and is suitable for a wide range of applications.

The PVC tape is suited for outside use thanks to the good ageing and weatherability properties

Application

Nitto PVC 21 is a heavy duty general purpose tape which is ideal for wire and cable harnessing, color coding, duct sealing, corrosion preventing, holding and protection.

Features

- pure plasticized PVC (no fillers)
- non-sticky sides
- good weatherability
- good sealing properties
- high conformability
- excellent workability
- WEEE compliant (2002/96/CE)
- RoHS compliant (2002/95/CE)
- REACH compliant
- good moisture and chemical resistant

Properties

	Typical Value	Test Method
Total thickness	0.19 mm	IEC 60454-2 §4
Tensile strength LD*	210 N/10 mm ² (section) 40.5 N/10 mm width	IEC 60454-2 §8
Elongation LD	275%	IEC 60454-2 §8
Adhesion to BA steel	1.92 N/10 mm	IEC 60454-2 §11 (Dwelling time 15 min.)
Adhesion to backing		
at room temperature	1.63 N/10 mm	IEC 60454-2 §11
at low temperature (-10°C)	4.50 N/10 mm	IEC 60454-2 §12
Electrical strength		
at room temperature	8.5 kV	IEC 60454-2 §17
after humid conditioning	10.7 kV	IEC 60454-2 §18
Electrolytic corrosion (23°C) 1x1012 Ohm/25mm width		IEC 60454-2 §7.6 (IEC 60167)
Low temperature properties (-10°C) no cracking no unwinding, no breakdown		IEC 60454-2 §9
Penetration at elevated temperature 68 °C		IEC 60454-2 §10
Shear adhesion to backing after water immersion	33.0 N	IEC 60454-2 §13
Flammability	Flammable	IEC 60454-2 §19
Max. Operating Temperature	+90 °C	IEC 60454-2 §21

* LD = Length Direction

Warranty

The product is guaranteed to be free from defect in material and workmanship at the time of delivery and will be suitable for use for a period of 12 months thereafter, subject to the conditions set out herein.

Availability

Colours: transparent, black, blue, green, red, grey, yellow, white, brown, isogene-grey, light blue, orange, yellow-green

Widths: 12, 15, 19, 25, 30, 38, 50 and 100 mm Lengths: 10 and 20 m

Core diameter: 31.5 mm

* Please contact us for other dimensions and/or colors

Application guidelines

- The tape should be applied on a clean and dry surface.
- Apply the tape with a moderate tension and with an overlap of 50%.

If you require additional information on technical properties and application as well as product sampling or testing, please contact your local Nitto sales office.



For your local Nitto sales office, please visit our web site:

www.nitto.com

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General conditions of use and precautions:

The properties of the product might be adversely affected by various elements such as composition, condition and surface of and impurities in or on the substrate, temperature and humidity during storage, the surrounding environment at and after application and time of exterior use. When the product is used in combination with another material or process, the user shall assure the compatibility of the product in such combination and whether this combination results in the expected performance. The same principle applies in the event of product use in extreme conditions or circumstances, whether at or after the moment of application, including extended exposure to sunlight or extreme temperatures and pressure.

Packaging, transport and storage:

During transport and storage the product should always be protected against direct sunlight and extremes in temperature and humidity and contained in its original packaging. Once removed from its packaging, it should be promptly applied and remain shielded from direct sunlight and extreme temperature as well as protected against dust and other impurities.

Liability:

Except for its wilful misconduct, Nitto Belgium's liability shall be limited to a replacement, a reimbursement or an additional delivery of the product, and shall not exceed the purchase price of the products. In no event shall Nitto be liable in respect of any indirect or consequential damages, including loss of profits.

The above limitations of liability shall equally apply if Nitto Belgium has assisted in any manner with the selection, treatment or application of the product.

Product information:

This datasheet provides a general description of the product properties and application scope. Full technical details in connection with this product are presented in the customer product specification, which is available upon request.

The information reflected in this datasheet is subject to change and the product described here-in may be modified or discontinued without notice.

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Code: DS/04.08/B PVC 21 ENG

This datasheet replaces all previous versions

Nitto Belgium NV has obtained following certificates:

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