

# Technical data sheet



Product: 21

Manufacturer: NITTO BELGIUM N.V.

Product group: ELEKTRO

Article group: KLEBEBAND

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## NITTO PVC 21A

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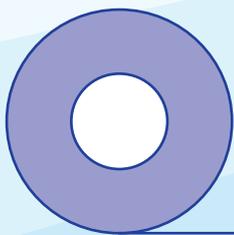
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## PVC 21A

### General description

Nitto PVC 21A is a premium grade PVC tape coated with a rubber-based pressure sensitive adhesive. PVC 21A is accepted as a top quality general use vinyl tape.

### Construction



- Rubber adhesive
- PVC film

### Characteristics

Nitto PVC 21A 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 21A is a 200 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 21A is a heavy duty general purpose tape which is ideal for wire and cable harnessing, color coding, duct sealing, corrosion preventing, holding and protection.

## CORE FUNCTION



TO BLOCK

### Features

- pure plasticized PVC (no fillers)
- non-sticky sides
- good weatherability
- good sealing properties
- high conformability
- excellent workability
- RoHS compliant (2011/65/EC, 2015/863)
- REACH compliant
- good moisture and chemical resistant



Edition: November 2020  
Code: DS/06.09/ PVC 21A ENG  
This datasheet replaces all previous versions



## Properties

|                                 | Typical Value   | Test Method |
|---------------------------------|---|-------------|
| Total thickness                 | 0.20 mm   | JIS C 2336  |
| Tensile strength                | 63.7 N/19mm   | JIS C 2336  |
| Elongation                      | 193%  | JIS C 2336  |
| Adhesion to BA steel            | 2.50 N/19mm   | JIS C 2336  |
| Adhesion to backing             | 2.67 N/19mm   | JIS C 2336  |
| Withstand voltage (5 kV/min)    | Pass  | JIS C 2107  |
| Volume resistivity              | $1.3 \times 10^{14}$ Ohm cm                                   | JIS C 2107  |
| Peeling off                     | Adhesives shall not be transferred to back face of next layer | JIS C 2336  |
| Unwinding force                 | 3.3 N/19mm  | JIS Z 0237  |
| Minimum application temperature | -20 °C  |             |
| Maximum operating temperature   | 80 °C   |             |

CAUTION: The above are typical values and should not be used in writing specifications.

## Warranty

The warranty period from NITTO DENKO SHANGAI SONGJIANG CO. LTD. to your company is in principal 18 months after delivery. However, the shelf life of this product is 3 years after manufacture. But the tape must be stored indoors at normal temperature (5-35 °C) and normal humidity (45 to 85 %RH) as delivery-packaged in the place where direct sunlight does not affect.

## Availability

Colours: black, gray, white, red, yellow, blue, green, brown, transparent, ivory, orange, green/yellow

Widths: 19 mm Lengths: 10, 20 m

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%.

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 herein may be modified or discontinued without notice.

Nitto Belgium NV has obtained following certificates:

- ISO 9001
- ISO 14001
- IATF 16949

Please check our website for applicable scope

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

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This datasheet replaces all previous versions

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