

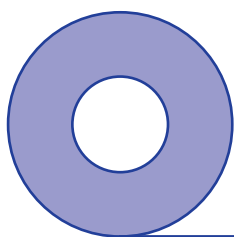
Product: **D5331**

Product group: **Double Coated Tapes**

General description

Nitto double coated polyester tape D5331 consists of a modified acrylic adhesive, coated on transparent polyester suitable for a variety of mounting applications.

Construction



- Modified acrylic adhesive
- Polyester carrier
- Modified acrylic adhesive
- PE-coated paper release liner

Characteristics

Nitto D5331 is a double-coated tape, which combines excellent cohesion properties with good adhesion level on several substrates.

This tape has a smooth coating surface on both sides of the carrier.
The release liner offers dimensional stability. D5331 is available in sheets.

Application

Nitto D5331 is a multi-purpose tape, typically used for nameplate & membrane switches assembly, thin metals and plastic decorative foils.

Features

- good adhesion on several substrates
- smooth coating surface
- dimensional stable liner
- available in sheets
- RoHS compliant (2011/65/EC, 2015/863)

Technical Properties

General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic adhesive	
Tape thickness*	0.070 mm	EN 1942
Release liner type/colour	Siliconised white PE coated (125 g/m ²)	
Carrier type	Polyester (0.012 mm)	
Adhesion to BA steel	1200 cN/20mm	EN 1939
Release value	20 cN/50mm	Nitto Belgium Test Method
Static shear	0.5 mm/3h	EN 1943
Transport and storage conditions	Temperature 15 to 30 °C Relative humidity 40 to 75% RH	

* Tape thickness = Total thickness without liner
 Details from the test methods are described on the customer product specification.
 CAUTION: The above are typical values and should not be used in writing specifications.

Performance properties

Adhesion in cN/20mm					EN 1939
PVC	PMMA	PC	ABS	PET	
1300	1400	1500	1300	400	
Weight Added Peel Off (WAPO)					2 h at 60°C, width 20mm, 100g
PP 22 mm/2h			ABS 71 mm/2h		BA 10 mm/2h
Saft test		185 °C			0,5°C/min., 200g, (15x15)mm ²

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 6 months thereafter, subject to the conditions set out herein.

Application guidelines

- For optimum results, an even rub down pressure must be applied to the taped area to create the best possible adhesion between tape and the substrates.
- To ensure optimal anchorage of tape to foam, attention should be paid to the lamination pressure, temperature and time.
- Remove the liner prior to usage.
- The tape should be applied to clean and dry surfaces.
- The best application conditions are obtained at a temperature between 15 °C and 40 °C.

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

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 and 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.

Please be advised that the information reflected in this datasheet is subject to change and the product described herein may be modified or discontinued without notice.

Edition: January 2019
 Code: DS/01.11/E4 D5331 ENG
 This datasheet replaces all previous versions

Nitto Belgium NV has obtained following certificates:

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



For your local Nitto sales office, please visit our web site:
www.nitto.com

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