

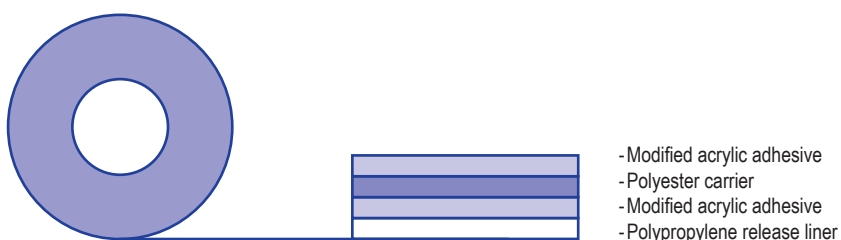
Product: **D5320 series**

Product group: **Double Coated Tapes**

General description

Nitto D5320 series are double-coated tapes with a polyester carrier coated with an aggressive acrylic adhesive used for mounting of different types of plastics.

Construction



Characteristics

Nitto D5320 series are a multi-purpose double-coated tape with a good adhesion level on different substrates such as plastics and metals. These tapes are suitable for rough surface bonding.

The PET carrier provides dimensional stability and high flexibility.

D5320 series are available in bobbin shape.

Application

Nitto D5320 series are used for continuous long-run mounting application to a variety of decorative strips in furniture industry (trim mounting).

Suitable for mounting price information holders and plastic parts in sign & nameplate markets for marketing devices (Point Of Sales).

Features

- good adhesion on different substrates & rough surfaces
- high temperature resistance
- high holding power
- easy processing
- bobbin shape
- RoHS compliant

Technical Properties

General physical properties

	Typical value	Test Method
Adhesive type	Modified acrylic adhesive	
Tape thickness*	0.180 mm	EN 1942
Release liner	Siliconised Red or White Polypropylene (0.070 mm)	
Carrier type	Polyester (0.012 mm)	
Adhesion to BA steel	1700 cN/20mm	EN 1939
Release value	20 cN/50mm	Nitto Europe Test Method
Static shear	1 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.

Performance properties

Adhesion in cN/20mm			EN 1939
PC	ABS	PP	Glass
1900	1600	800	2000
Weight Added Peel Off (WAPO)		2 h at 60°C, width 20mm, 100g	
PP 7 mm/2h	ABS 6 mm/2h	BA 3 mm/2h	
Dynamic Shear	700 N/4cm²	Tested after 15 min., 300mm/min.	
Saft test (Shear Adhesion Failure Temperature) 185 °C		+0,5°C/min., 15x15mm, 200g	

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

- Keep the tape in its original packaging until use.
- 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.
- 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 Europe 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 Europe'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 Europe 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: September 2013
Code: DS/01.11/E4 D5320 ENG
This datasheet replaces all previous versions

Nitto Europe NV has obtained following certificates:

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



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

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