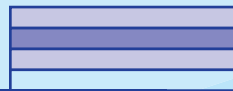
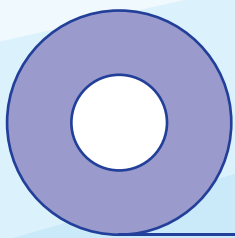


D5306 SERIES

General description

Nitto double-coated D5306 series are polyester carrier based tapes with an aggressive modified acrylic adhesive used for mounting of different types of plastics.

Construction



- Modified acrylic adhesive
- Polyester carrier
- Modified acrylic adhesive
- Siliconised polypropylene release liner

Characteristics

Nitto D5306 series are double-coated tapes with a high adhesion level on different substrates such as plastics, low surface energy substrates, foams and metals.

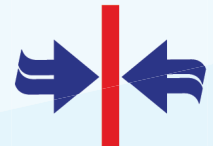
The tapes are suitable for rough surface bonding. The PET carrier provides dimensional stability resulting in reduced elongation and shrinkage.

D5306 series are also available in bobbin shape.

Application

Nitto D5306 series are used for mounting decorative profiles in furniture industry (trim mounting), cable ducts. Suitable for mounting plastic parts in sign and nameplate markets for marketing devices (Point Of Sales).

CORE FUNCTION



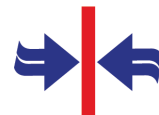
TO ADHERE

Features

- high adhesion on different plastics & rough surfaces
- high temperature resistance
- high holding power
- easy processing
- bobbin shape
- available with white and red liner
- RoHS compliant (2011/65/EC, 2015/863)



Edition: January 2019
Code: DS/06.09/ D5306 series ENG
This datasheet replaces all previous versions



Technical Properties

General physical properties

	Typical Value	Test Method
Tape Thickness*	0.220 mm	EN 1942
Adhesive type	Colorless modified acrylic	
Release liner type	D5306RD: Siliconised red polypropylene (0.07 mm) D5306WH: Siliconised white polypropylene (0.07 mm)	
Carrier type	Polyester (0.05 mm)	
Adhesion to BA steel	2000 cN/20mm	EN 1939
Release value	20 cN/50 mm	Nitto Belgium test method
Static shear	1.5 mm/3h	EN 1943
Transport and storage conditions	Temperature 15 °C 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			EN 1939
PVC	2300 cN/20mm	ABS	2200 cN/20mm
PMMA	2300 cN/20mm	PP	400 cN/20mm
PC	2100 cN/20mm	PET	400 cN/20mm
Glass	2500 cN/20mm		
Weight Added Peel Off (WAPO)		2h at 60 °C, width 20mm, 100g	
PP 6 mm/2h	ABS 4 mm/2h	BA 4 mm/2h	
Dynamic shear	850 N/4cm ²	Tested after 15 min., 300mm/min.	
Soft test	185 °C	0.5 °C/min, 200g, 15x15mm ²	
Probe tack	900 cN/20mm ²	ASTM D2979	

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 individual 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.

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