

Product: **D5952 - D5952N**

Product group: **Baseless Tapes**

## General description

Nitto tapes D5952 and D5952N consist of a pressure sensitive modified acrylic adhesive, intended for use as a general mounting tape where a particular high adhesion level is required.

## Construction



## Characteristics

The very high initial adhesion allows easy and instant adhesion to different foams as well as a variety of other substrates.

A good repulsion resistance in combination with a high temperature resistance allows the product to be used under severe application conditions.

## Application

Nitto D5952(N) is used for general assembly, especially on all varieties of foams used in automotive, building & construction and domestic appliance markets.

## Features

- very high adhesion
- good repulsion resistance
- high temperature resistance
- RoHS compliant (2002/95/CE)

## Technical Properties

### General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic adhesive	
Tape thickness*	0.08 mm	EN 1942
Release liner type/colour	D5952: Siliconised havana paper (90 g/m <sup>2</sup> ) D5952N: Siliconised brown paper (120 g/m <sup>2</sup> )	
Carrier type	None (baseless tape)	
Release value	30 cN/50mm	Nitto Europe Test Method
Adhesion to BA steel	2000 cN/20mm	EN 1939
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
PMMA	PC	ABS	PET	PO-foam	PU-foam
2000	1900	1900	1700	Tear to substrate	Tear to substrate
Saft test					100°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.

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Nitto Europe NV has obtained following certificates:

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