

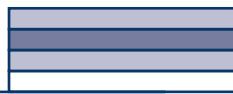
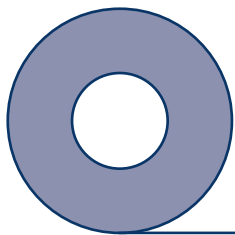
Product: **D5052**

Productgroup: **Bonding & Joining**

## General description

Nitto double coated tape D5052 consists of a non-woven carrier coated with a pressure sensitive modified acrylic adhesive, intended for use on different foams where high adhesion levels are required.

## Construction



- Acrylic transparent adhesive
- Carrier: Non-woven tissue
- Acrylic transparent adhesive
- Release liner: White siliconised paper

## Characteristics

Nitto D5052 is intended for use as a foam lamination tape where a particular high adhesion level is required. This property in combination with a high temperature resistance makes the product suitable for general automotive appliances. The relative soft adhesive allows lamination on foams at room temperature. The 120 gr/sqm liner allows easy converting.

## Application

This product has been designed for lamination to a variety of foams eg. PUR polyester, PUR polyether, impregnated foams and many others as well as textiles, cork, flannels...

## Features

- high initial adhesion
- universal use on different foams
- thick and strong release liner

## Technical Properties

### General physical properties

		Test method
Adhesive type	Modified acrylic	
Tape thickness*	0.145 mm	NITTO 01B
Release liner type / colour	Siliconised white paper	
Release liner thickness / weight	0.12 mm - 120 g/m <sup>2</sup>	NITTO 01G
Carrier type	Non-woven	
Unwind force	20 cN/50 mm	NITTO 35A
Release value	35 cN/50 mm	NITTO 36A
Adhesion to stainless steel	2000 cN/20 mm	NITTO 15A
Creep on BA-steel	1.5 mm	NITTO 62A
Shear	670 N/4cm <sup>2</sup>	NITTO 73A (BA steel)

\* tape thickness = total tape thickness without liner

### Performance properties

Adhesion	(test method NITTO 15A)					
	2B steel	PC	PVC	PMMA	PET	PP
cN / 20 mm	2100	1900	1300	1900	1400	1400
Cohesion						
Hanging foam test	10h					
Heat resistance on foam	160 °C					
WAPO						
PP	38 mm					
ABS	10 mm					
BA steel	20 mm					

### Application guidelines

- The surface to be bonded must be clean i.e. free of dust, release agents, processing oils and grease.
- The temperature of the application should not be below the dew point of the surrounding air. The warmer the tape the better the adhesive will wet out and consequently the higher the immediate adhesion will be.
- To ensure optimal anchorage of the tape to the foam attention should be paid to the lamination pressure, temperature and time.

Our technical center is always at your disposal for special application requests.  
Please contact us to make an appointment.

### Precautions

All products manufactured by NITTO EUROPE NV are guaranteed to be free from defect at the time of shipping when tested according to NITTO EUROPE NV product specifications. Properties of the products are susceptible to change due to various influences such as composition and condition of the substrate, impurities in or on the substrate, temperature and humidity of storage and the surrounding environment during application etc. When the NITTO product is used in combination with other material, the user shall assure by his own tests the compatibility of the NITTO product in the resulting combination and whether the combination results in the expected performance.

### Packaging and storage

The product should be protected against direct sunlight and extremes in temperature and humidity and stored upright in its original packaging. Once removed from its packaging, it should be protected against dust and other impurities.

### Test methods and results

The properties of these products are determined in accordance with NITTO test methods. Detailed description of these methods are available on request. The above figures are average values, established to our best knowledge, but not to be used for specification purpose.

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Nitto Europe NV has obtained following certificates:

