

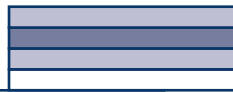
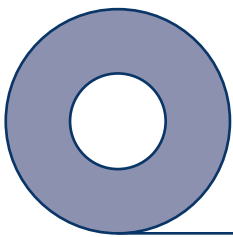
Product: **D5306RD**

Productgroup: **Bonding & Joining**

## General description

Nitto double-coated D5306RD is a polyester carrier based tape with an aggressive acrylic adhesive used for mounting of different types of plastics.

## Construction



- Transparent modified acrylic adhesive
- Carrier: Polyester
- Transparent modified acrylic adhesive
- Release liner: Siliconised RED polypropylene

## Characteristics

Nitto D5306RD is a DC/T with a high adhesion level on different substrates such as plastics, even low surface energy materials, foams and metals. Rough surfaces will not cause any problems to be bonded due to the selected acrylic adhesive. The PET carrier provides a more stable, more rigid tape resulting in reduced elongation and shrinkage.

## Application

Nitto D5306RD is ideal for usage for continuous long-run mounting application of a variety of decorative strips in furniture industry (trim mounting). It is usable for mounting applications in sign and nameplate markets for marketing devices (P.O.S.-) or for mounting holders for price and identification labels on shelves. The product can also be used for lens fixation in the mobile phone industry.

## Features

- high adhesion on different plastics
- high adhesion on rough surfaces
- high temperature resistance
- extreme high holding power
- easy workability and processing

## Technical Properties

### General physical properties

		Test method
Adhesive type	Modified acrylic	
Tape thickness*	0.220 mm	NITTO 01B
Release liner type / colour	Red polypropylene	
Release liner thickness / weight	0.07 mm - 65 g/m <sup>2</sup>	NITTO O1G-05B
Carrier type	Polyester	
Unwind force	10 cN/50 mm	NITTO 35A
Release value	40 cN/50 mm	NITTO 36A
Adhesion to stainless steel	2000 cN/20 mm	NITTO 15A
Creep on BA-steel	1 mm	NITTO 62A
Shear	580 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	2000	2000	2000	2000	1800	1600
Cohesion		(test method NITTO 4084)				
Hanging foam test	Min. 24h					
Heat resistance	180 °C					
WAPO						
PP	6 mm					
ABS	5 mm					
BA-steel	1 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:

