

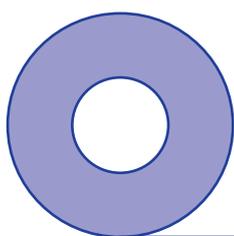
Product: **5015P series**

Product group: **Double Coated Tapes**

## General description

Nitto 5015P Series consist of a modified acrylic adhesive, coated on a 12 micron PET used as mounting tapes on plastics and metals.

## Construction



- Modified acrylic adhesive  
- Polyester carrier  
- Modified acrylic adhesive  
- Release liner

## Characteristics

Nitto 5015P Series are double coated tapes which show a well-balanced behaviour on holding power, adhesion and tack.

It combines, in a wide range of operating working temperature, an excellent repulsion resistance with high adhesive strength especially on low surface energy substrates.

The PET carrier contributes to dimensional stability and easy converting.  
Nitto 5015P Series are available with different kind of liners.

## Application

Nitto 5015P Series are mounting tapes for sealing materials such as foam and mesh which can be exposed to severe stress.

The tapes are used to bond graphic overlays, plastic plates and molds, surely if they have a low surface energy.

## Features

- high adhesion on low surface energy substrates
- excellent ageing properties
- wide range of operating temperatures
- excellent repulsion resistance
- easy converting
- high resistance to stress
- RoHS compliant

## Technical Properties

### General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic adhesive	
Tape thickness*	0.100 mm	EN 1942
Release liner type/colour	5015P-Tr50: Transparent siliconised polyester (0.05 mm) 5015P: White siliconised PE coated paper (125 g/m <sup>2</sup> )	
Carrier type	Polyester (0.012 mm)	
Release value	5015P-Tr50: 30 cN/50mm 5015P: 25 cN/50mm	Nitto Europe Test Method
Adhesion to BA steel	1600 cN/20mm	EN 1939
Static shear	1.0 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	PP	PET	Glass	
1600	1700	1500	800	1100	1900	
Weight Added Peel Off (WAPO)						2 h at 60°C, width 20mm, 100g
PP 43 mm/2h			ABS 28 mm/2h		BA 5 mm/2h	
Dynamic Shear			400 N/4cm <sup>2</sup>		Tested after 15 min., 300mm/min.	
Soft test (Shear Adhesion Failure Temperature) 135 °C				+0,5°C/min., 15x15mm, 200g		
Lens Push out			240 N		PC, ABS, 40x40x5 mm	
Temperature resistance on foam			100 °C		Nitto Europe Test Method	

## 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

- 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.
- To ensure optimal anchorage of tape to foam, attention should be paid to the lamination pressure, temperature and time.
- 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 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 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.

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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This datasheet replaces all previous versions

Nitto Belgium NV has obtained following certificates:

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



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

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