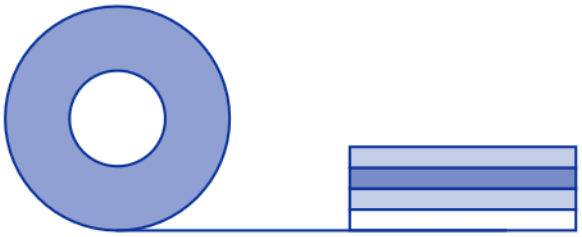
Product:	**5015E**
Product group:	**Double Coated Tapes**

General description

Nitto double-coated tape 5015E consists of a non-woven tissue carrier, coated with a pressure sensitive acrylic adhesive used for a wide variety of mounting applications.

Construction



- Modified acrylic adhesive
- Non-woven carrier
- Modified acrylic adhesive
- Paper release liner

Characteristics

Nitto 5015E is a double-coated tape which shows a well-balanced behaviour on cohesion, adhesion and tack.

It assures good workability on multiple substrates used in different applications.

The tape combines in a wide range of operating temperatures an excellent repulsion resistance with a high adhesive strength especially on low surface energy substrates.

Application

Nitto 5015E is designed to make foams self-adhesive for a wide range of sealing applications. Especially when they are exposed to severe stress, as in automotive applications.

The double-coated tape is used to bond graphic overlays, plastic plates and molds, surely if they have a low surface energy.

Features

- high repulsion resistance
- wide range of working temperatures
- high adhesion on difficult to adhere materials e.g. low surface energy
- recognition by imprint of the carrier
- RoHS compliant
- UL certified:
  UL 746A / UL 746C

Technical Properties

General physical properties

	Typical Value	Test Method
Adhesive type	Modified acrylic adhesive	
Tape thickness*	0.160 mm	EN 1942
Release liner	Siliconised white Nitto printed paper (120 g/m²)	
Carrier type	Non-woven	
Release value	20 cN/50mm	Nitto Europe Test Method
Adhesion to BA steel	1600 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	PP	
1600	1800	1600	1400	
Weight Added Peel Off (WAPO)				**2 h at 60°C, width 20mm, 100g**
PP 56 mm/2h		ABS 66 mm/2h		BA 4 mm/2h
Dynamic Shear		450 N/4cm²		Tested after 15 min., 300mm/min.
Saft test (Shear Adhesion Failure Temperature) 135 °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

- 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.

Edition: December 2016
Code: DS/01.11/E4 5015E ENG
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

Nitto

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

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