DOUBLE COATED TAPES

5010P

General description

Nitto 5010P is a high-performance double-coated tape with a PET carrier coated on both sides with pressure-sensitive acrylic adhesive. It delivers a well-balanced combination of holding power, adhesion, and tack, ensuring strong and reliable bonding across a wide range of substrates, including those with low surface energy.
The tape offers excellent repulsion resistance over a broad operating temperature range, while the PET carrier provides dimensional stability and easy converting.

Features

- High adhesion on low surface energy substrates
- Polyvalent on different substrates
- Excellent ageing properties
- Wide operating temperature range
- Excellent repulsion resistance
- Dimensional stable liner
- Easy converting

Application

Nitto 5010P is a mounting tape used to bond graphic overlays, plastic plates and molded parts, including low surface energy materials.

Properties

	Typical Value*	**Test Method**
Tape thickness **	0.150 mm	EN 1942
Adhesive type	Modified acrylic	n/a
Release liner type	Siliconized white PE coated paper (125g/m²)	n/a
Carrier type	PET (0.012mm)	n/a
Adhesion to BA steel	1800 cN/20mm	EN 1939/ ISO 29862
Adhesion to ABS	1500 cN/20mm	EN 1939/ ISO 29862
Adhesion to PP	1200 cN/20mm	EN 1939/ ISO 29862
Static shear	1.5 mm/3h	EN 1943
Saft test	135°C	+0.5°C, 20x15mm, 200g

*CAUTION: The above are typical values and should not be used in writing specifications.

*** Tape thickness = Total thickness without liner.*
Details of the test methods are described on the customer product specification.

Warranty

The product is guaranteed to be free from defects in material and workmanship at the time of delivery and will be suitable for use for a period of 12 months thereafter, subject to the conditions set out herein.

Availability

Widths: 1050mm
Lengths: 50m – 100m – 200m
Please contact us for specific dimensions.

Storage conditions

The product should be protected against direct sunlight and extremes in temperature and humidity. Recommended storage and transport conditions are between 15 °C and 30 °C and between 40% and 75% relative humidity. The product should be stored in its original packaging in a well-ventilated room to avoid deterioration, deformation, and contamination. Once removed from its packaging, it should be protected against dust and other impurities. Do not over stack the product, as this may cause deformation.

Application guidelines

- The tape should be applied to clean and dry surface by automatic mechanical means.
- The best lamination conditions are obtained at a temperature between 15°C and 40°C.
- An application pressure of 10-15N/cm² is recommended to apply the tape to the substrate to achieve a sufficient contact area.
- Keep the tape in its individual packaging until use.
- Remove the liner prior to final usage.
- The negative temperature resistance in a static load application is limited to -20°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 or at *askyourquestion@nitto.com.*

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, 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 willful 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. Nitto's liability is limited to the terms and conditions provided in the Product Specification and Nitto's General Terms and Conditions of Sale.

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.
The information reflected in this datasheet is subject to change and the product described herein may be modified or discontinued without notice.

Nitto Belgium NV has obtained the following certificates

- ISO 9001
- ISO 14001
- ISO 45001