

Product: **R9406HS**

Product group: **Repulpable Single-Coated Tapes**

General description

Nitto single-coated tape R9406HS consists of a special repulpable micro-crepe paper coated with a colorless water-soluble pressure sensitive acrylic adhesive. This product is used as multipurpose tape.

Construction



Characteristics

Nitto repulpable single-coated tape R9406HS is used for its special elongation properties in both directions. This results in a very high stretching and shear resistance. The release coating allows an easy unwind and application. Nitto repulpable single-coated tape R9406HS can be cut out and re-pulped without contamination.

R9406HS has a good adhesion strength on different kinds of paper.

For storage, the tape is hermetically sealed in plastic bags, to maintain constant moisture content.

R9406HS passes repulpability test by TAPPI Method UM-213-A.

Application

Nitto single-coated splicing tape R9406HS is engineered for reel edge protection, core start and reel closing in paper mills.

This multi-purpose product is used when repulpability and stretching is required.

Features

- very high stretching properties
- very high shear strength
- good adhesion strength
- multi-purpose tape
- repulpable according to TAPPI Method UM-213-A
- RoHS compliant (2011/65/EC, 2015/863)

Technical Properties

General physical properties

| | Typical Value | Test Method |
|----------------------------------|--|---------------------------|
| Tape thickness | 0.140 mm | EN 1942 |
| Adhesive type | Colorless water-soluble acrylic | |
| Carrier type | Siliconised blue micro-crepe paper | |
| Adhesion to test carton | 700 cN/20mm | EN 1939 |
| Static shear | 0 mm/3h | Nitto Belgium Test Method |
| Transport and storage conditions | Temperature 15 °C to 30 °C Relative humidity 40 to 75% RH | |

Details from the test methods are described on the customer product specification.

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

Performance properties

| | Typical Value | Test Method |
|------------------------------------|-----------------------|--------------------------------------|
| Temperature resistance | 180 °C | 3 min. , 200 g/cm ² |
| Repulpability | Good | Nitto Belgium Test Method (ISO 5263) |
| Dynamic Shear | 90 N/4cm ² | Tested after 15 min., 300mm/min. |
| Tensile strength machine direction | 100 N/20mm | EN 14410 |
| Tensile strength cross direction | 60 N/20mm | EN 14410 |
| Elongation machine direction | 9 % | EN 14410 |
| Elongation cross direction | 6 % | EN 14410 |
| Oozing & Bleeding (1.5T/7days) | No Contamination | 2x10 paper layers, RT/50% RH |

Warranty:

The product is guaranteed to be free from defect in material and workmanship and will be suitable for use for the period as indicated on the packaging, subject to the conditions set out in the product specification.

Application guidelines:

- Keep the tape in its original individual packaging until use.
- 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 web surface.
- 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
 - IATF 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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