

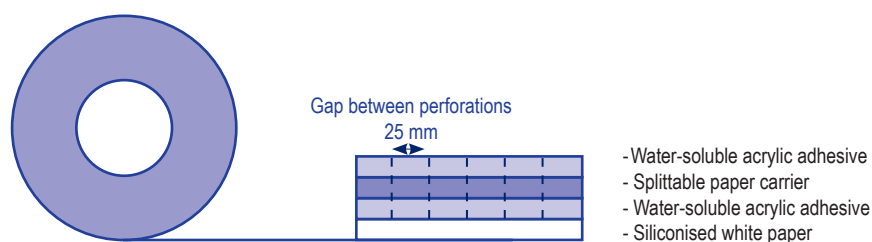
Product: **R9440S PF4**

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

## General description

Nitto repulpable double-coated tape R9440S PF4 is a perforated version of R9440S, it consists of a splittable paper carrier coated on both sides with a water-soluble pressure sensitive adhesive.

## Construction



## Characteristics

Nitto R9440S PF4 combines the splittable behaviour of R9440S with a perforation of the tape. This allows an easy processing in automatic application systems for core start and reel closing.

The perforations are 25 mm away from each other and are about 3 mm long with 1 mm of non perforated space in between.

R9440S PF4 has a good adhesion on different papers resulting in excellent splicing properties.

For storage, the tape is hermetically sealed in plastic bags, to maintain constant moisture content. R9440S PF4 passes repulpability test by TAPPI Method UM-213-A.

## Application

Nitto R9440S PF4 is specially designed for reel closing and core starting of most grades of paper in the paper industry for automatic application systems.

## Features

- easy splitting of the carrier
- minimum paper waste
- high adhesion of different papers
- low oozing
- easy processing
- repulpable according to TAPPI Method UM-213-A
- RoHS compliant (2002/95/CE)

## Technical Properties

### General physical properties

	Typical Value	Test Method
Tape thickness*	0.175 mm	EN 1942
Adhesive type	Red water-soluble acrylic	
Release liner type/colour	Siliconised white paper	
Release liner weight	95 g/m <sup>2</sup>	DIN 53104
Carrier type	Splittable paper	
Release value	5 cN/50mm	Nitto Europe Test Method
Static shear	0.25 mm/3h	Nitto Europe Test Method
Transport and storage conditions	Temperature 15 °C 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

	Typical value	Test Method
Splitting Force	450 cN/50mm	Nitto Europe Test Method
Heat resistance	180 °C	3 min. , 200 g/cm <sup>2</sup>
Repulability	Good	Nitto Europe Test Method (ISO 5263)
Dynamic Shear	250 N/4cm <sup>2</sup>	Tested after 15 min., 300mm/min.
Oozing & Bleeding (1.5T/7days)	No contamination	Nitto Europe Test Method
Perforation strength	20 N/25mm	Tested at 300mm/min

## 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.
- Remove the liner prior to splicing.
- 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: September 2013  
Code: DS/02.11/CDV R9440S PF4 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



For your local Nitto sales office, please visit our web site:  
[www.nitto.com](http://www.nitto.com)

Copyright © 2016 NITTO BELGIUM NV. All rights reserved.