

Product: **738HD**

Product group: **Repulpable Single Coated Tapes**

General description

Nitto single coated repulpable tape 738HD consists of a heavy-weight paper coated with a colorless water-soluble pressure sensitive acrylic adhesive.

Construction



Characteristics

Nitto repulpable single-coated tape 738HD has a silicone release coating which permits easy unwind and application – no need for interliner.

Nitto 738HD can be cut out and re-pulped without contamination. It is a strong splicing tape where a high shear strength is required.

For storage, the tape is hermetically sealed in plastic bags, to maintain constant moisture content. Nitto 738HD passes repulpability test by TAPPI Method UM-213-A.

Application

Nitto single-coated splicing tape 738HD is engineered for core starting and reel closing in paper mills and printing plants (heavy weight paper).

Nitto 738HD is a strong, heavy-weight flat paper tape for use on linerboard and other heavy paper grades where high shear strength is required from both the carrier and the adhesive.

Features

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

Technical Properties

General physical properties

	Typical Value	Test Method
Adhesive type	Colorless water-soluble acrylic	
Tape thickness*	0.200 mm	EN 1942
Carrier type	Siliconised heavy-weight paper (120 g/m ²)	
Carrier color	White	
Adhesion to test carton	1600 cN/20mm	EN 1939
Static shear	0.5 mm/3h	Nitto Belgium Test Method
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.

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

Performance properties

Temperature resistance	160 °C	3 min. , 200 g/cm ²
Repulability	Good	Nitto Belgium Test Method (ISO 5263)
Dynamic Shear	140 N/4cm ²	Tested after 15 min., 300mm/min.
Tensile strength machine direction	200 N/20mm	EN 14410
Tensile strength cross direction	200 N/20mm	
Elongation machine direction	6 %	EN 14410
Elongation cross direction	3 %	

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.

Edition: January 2019
Code: DS/10.10/D2 738HD ENG
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

Copyright © 2019 NITTO BELGIUM NV. All rights reserved.