

CABLE MATERIALS

12FB PUTTY TAPE

General description

The Nitto 12FB is a self-amalgamating putty tape designed to form a waterproof insulating barrier by instantly amalgamating into itself when stretched and wrapped around pipe fittings, cables, and various buried objects with irregular shapes, offering corrosion protection. It serves as a protective sheet for indoor and outdoor applications,

Features

- Soft and tacky putty
- Reliable sealing and anticorrosion coating
- Level out contoured surfaces
- Minimum overlap required

Application

Nitto 12 FB is a soft and tacky putty tape used as an insulation material for cable splices and cable terminals.

Repair of cable jackets, pipes, joints and fittings.

Suitable as a filler and additional sealant in shrinkable sleeves.

The thicker grade of the product allows smoothing of contoured surfaces.

Nitto 12 FB requires only a small percentage of overlap. Used in combination with Nitto PVC Tape 51, it provides a reliable sealing and anti-corrosion coating.

Properties

				<i>Test method</i>
<i>Thickness</i>	1.00mm	2.00mm	3.00mm	ASTM D1000
<i>Weight</i>	1150 g/m ²	2300 g/m ²	3450 g/m ²	ISO 2781A
<i>Yield strength</i>	75 g/6mm 11,5 g/mm ²	140g/6mm 11,5 g/mm ²	210g/mm 11,5 g/mm ²	ASTM D638
<i>Elongation at break (MD)**</i>	>3000%	>3000%	>3000%	ASTM D1000
<i>Needle penetration</i>	4,8 mm	4,8 mm	4,8 mm	ASTM D5
<i>Self fusing property</i>	No flagging, no unwind, immediate fusing of the tapes layer			ASTM D1373
<i>Breakdown voltage</i>	>15 kV/mm	>15 kV/mm	>15 kV/mm	ASTM D1373
<i>Volume resistivity</i>	>1x10 ¹⁰ Ohm-cm	>1x10 ¹⁰ Ohm-cm	>1x10 ¹⁰ Ohm-cm	ASTM D257

*CAUTION: The above are typical values and should not be used in writing specifications. Details from the test methods are described on the customer product specification.

** MD = Machine Direction

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Availability

12FB-1mm Rollsize (t x w x l*)	Core diameter	Rolls/carton	Rolls/layer	Rolls /pallet
1mmx30mmx80m	76 mm	4	24	96
1mmx60mmx10m	76 mm	15	90	360

12FB-2mm Rollsize (t x w x l*)	Core diameter	Rolls/carton	Rolls/layer	Rolls /pallet
2mmx50mmx10m	76 mm	12	72	432
2mmx150mmx10m	76 mm	1	20	140

12FB-3mm Rollsize (t x w x l*)	Core diameter	Rolls/carton	Rolls/layer	Rolls /pallet
3mmx38mmx1,5m**	31,5mm	10	140	1260

*please contact us for specific dimensions.

** individually packed in carton box

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 12 months thereafter, subject to the conditions set out herein.

Storage conditions

The product should be protected against direct sunlight and extremes in temperature and humidity. Recommended storage and transport conditions are between 5 °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

- Clean the surface properly by removing all dust, dirt and grease.
- In some applications it is recommended to additionally use a primer.
- Wrap around and stretch the putty tape. An overlap of 10% to 20% is sufficient.

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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
- IATF 16949