

Product: **SPV 3100H series**

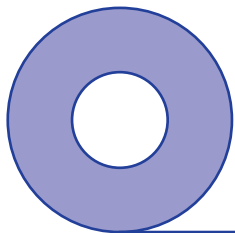
Product group: **Surface Protection Tapes**

General description

SPV 3100H series are surface protection tapes suitable to protect metal surfaces and rough plastics during mechanical processes, storage and transportation.

These products consist of a PE film in various colours, coated with a pressure sensitive rubber-based adhesive.

Construction



- Pressure sensitive rubber-based adhesive
- PE film*

* SPV 3103H: Black
SPV 3104H5: Black and white

Characteristics

SPV 3100 series protect the substrate till the end of the supply chain against scratches and impurities. The rubber-based adhesive is pressure sensitive and gives a high adhesion level. The tapes have enough oil resistance and therefore usable to protect metals after milling operations.

These products offer increased mechanical protection due to their high thickness.
SPV 3104H5 has a good weatherability.

Application

SPV 3100H series are ideal products to protect rough, textured and low gloss surfaces. Typical substrates are stainless steel, anodised aluminium, plastics and coated metals (acrylic, PUR, polyester and epoxy powder coatings).

Features

- increased mechanical protection
- high adhesion level
- good weatherability (SPV 3104H5)
- recyclable

Properties

	Typical Value	Test Method
Film type	PE film	
Adhesive type	Rubber-based	
Total thickness	100 µm	EN 1942
Adhesion on BA steel	250 cN/20 mm	EN 1939
Weatherability on BA steel*		ISO 4892-2
SPV 3103H (Black)	300 hours	
SPV 3104H5 (Black/white)	600 hours	
Tensile strength MD**	35 N/20 mm	EN 14410
Elongation MD	300 %	EN 14410
Transport and storage conditions	Temperature 15 to 30 °C	
	Relative humidity 40 to 75% RH	

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

* The weatherability is measured on BA steel. Depending on the substrate the weatherability performance can be different.

** MD = Machine Direction

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

Availability

Widths: 1000 mm, 1250 mm and 1500 mm

Lengths: 500 m and 1000 m

Please contact us for specific dimensions

Lamination guidelines

- These tapes should be applied to clean and dry surface by automatic mechanical means.
- In order to avoid entrapped air-bubbles, excessive tension and shear, the customer should determine appropriate lamination conditions.
- The best lamination conditions are obtained at a temperature between 15 °C and 40 °C.

Application guidelines

- In general, these tapes are immediately usable for further processing after lamination.
- It is not advisable to use these products on substrates containing copper.
- This surface protection tape could contain fish eyes and gels. It is not recommended to use this tape for heavy forming processes due to the risk for visual imprints on the substrate
- Surface protection tapes are not meant for permanent protection, they should be removed at the end of the supply chain.

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, 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.

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

- ISO/TS 16949

Please check our website for applicable scope



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