SURFACE PROTECTION TAPES

# SPV 9310 – SPV 9320 – SPV 9330

## General description

SPV 9300-series are surface protection tapes suitable to protect (extreme) rough and textured surfaces during light mechanical processes, storage and transport. These products consist of a modified PE or special PO film coated with a pressure sensitive acrylic-based adhesive.

## Features

- High initial tack
- Very high adhesion level
- Good wetting behaviour
- Good humidity resistance
- Stretch-resistant film
- Substrate identification and inspection
- Recyclable

## Application

SPV 9300-series are ideal products to protect low gloss surfaces, like rough plastics and laminates, and textured PVDF, PUR and polyester lacquered substrates against scratches and impurities till the end of the supply chain. These tapes are available in 3 different types: SPV 9330 gives higher adhesion to rough surfaces than SPV 9320, which in return has higher adhesion level than SPV 9310. To prevent excessive stretching during unwinding and lamination, a special high modulus film is used. The special PO film of SPV 9330 results in a better repulsion resistance. These tapes cover gloss levels varying from 10% to 35%.

## Properties

| | SPV 9310 | SPV 9320 | SPV 9330 | Test method |
|---|---|---|---|---|
| Film type | Modified PE film | Modified PE film | PO film | |
| Adhesive type | Acrylic-based | Acrylic-based | Acrylic-based | |
| Total thickness | 70 µm | 70 µm | 60 µm | EN 1942 |
| Adhesion to BA steel | 320 cN/20mm | 430 cN/20mm | 290 cN/20mm | EN 1939 |
| Tensile strength MD* | 25 N/20mm | 25 N/20mm | 20 N/20mm | EN 14410 |
| Elongation MD* | 250% | 250% | 400% | |
| Weatherability on BA steel** | 25h | None | None | ISO 4892-2 |
| Colour | Clear transparent | Clear transparent | Clear transparent | |

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

## 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.

## Availability

Widths: 1000 mm, 1250 mm, 1500 mm
Lengths: 200 m and 500 m (SPV 9330 only 200 m)
Please contact us for specific dimensions.

## Storage conditions

The product should be protected against direct sunlight and extremes in temperature and humidity. Recommended storage and transport conditions are between 15 °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.

## Lamination guidelines

- The tape should be applied to clean and dry surface by automatic mechanical means.
- 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.
- These tapes are not recommended to be used in heavy forming processes.
- These tapes cannot be used on stainless steel, neither on lacquers containing softeners (such as PVC lacquers).
- These tapes are not designed for prolonged outside exposure.
- Surface protection tapes are not meant for permanent protection, they should be removed at the end of the supply chain.

## 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