SURFACE PROTECTION TAPES

SPV 4058H | SPV 4088H

General description

The SPV H series are Surface Protection Tapes suitable to protect lacquered plates, plastics and laminates during mechanical processes, storage and transportation. These products consist of a clear transparent PE film coated with a pressure-sensitive acrylic adhesive and are available in two thickness levels.

Features

- Available in 50 µm and 80 µm thickness
- High adhesion level
- Good humidity resistance
- Transparent film for substrate identification and inspection
- Recyclable film

Application

SPV H-series are ideal products to protect low-gloss lacquered plates (such as acrylic, PUR, polyester, PVDF, epoxy powder coatings), matt aluminum plates, matt plastics (such as PMMA, ABS, PC, hard PVC) and laminates against scratches and impurities until the end of the supply chain. Depending on the protection required, these tapes are available in a thickness of 50 µm (SPV 4058H) or 80 µm (SPV 4088H). The pressure sensitive acrylic-based adhesive gives a high adhesion level and makes these products ideal for the protection of surfaces with a gloss level between 20 to 40%.

Properties

	SPV 4058H	SPV 4088H	Test method
Film type	PE film	PE film	n/a
Adhesive type	Acrylic-based	Acrylic-based	n/a
Total thickness	50 µm	80 µm	EN 1942
Adhesion to BA steel	290 cN/20mm	310 cN/20mm	EN 1939
Tensile strength MD*	22 N/20mm	32 N/20mm	EN 14410
Elongation MD*	250%	350%	
Colour	Clear transparent	Clear transparent	n/a

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

TECHNICAL DATASHEET

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, 2000 mm and 2500 mm
Lengths: 500 m and 1000 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

- These tapes 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.
- SPV H-series cannot be used on stainless steel, neither on lacquers containing softeners (such as PVC lacquers).
- SPV H-series are not designed for 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
- ISO 45001