SURFACE PROTECTION TAPES

SPV 4058R3(F) | SPV 4058R(F) | SPV 4057R | SPV 4088R(F) | SPV 4058R7

General Description

The SPV R series are high-performance Surface Protection Tapes designed to protect lacquered panels, glass, plastics, and decorative laminates throughout mechanical processing, storage, and transportation.
All tapes have a polyethylene (PE) film coated with a pressure-sensitive, acrylic-based adhesive. These tapes are available in a variety of colors, adhesion levels, and thicknesses to offer reliable solutions for the diverse protection needs.
Special variants – SPV R(F) – are enhanced versions of the standard products featuring high transparency, making them ideal for protecting sensitive surfaces where visual appearance is critical.

Features

- Good wetting behavior
- Low unwind
- Usable for a wide variety of surface gloss levels
- Good humidity resistance
- High transparency of F-quality
- Transparent film for substrate identification and inspection
- Recyclable film
- Available in three different adhesion levels: Low (R3), medium (R), high (R7)

Application

The SPV R series tapes are specifically designed to protect a wide range of surfaces – including lacquered plates (such as acrylic, PUR, polyester, PVDF, and epoxy powder coatings), glass, plastics (including PMMA, ABS, PC, and rigid PVC), and decorative laminates – against scratches and contaminants throughout the entire supply chain.
Available in three distinct adhesion levels, these tapes are suitable for substrates with gloss levels ranging from **25% to 95%**, ensuring versatile application across various finishes.
The (F) type variants offer enhanced transparency, making them ideal for protecting sensitive surfaces where visual clarity and high aesthetic standards are essential.

Properties

	SPV 4058R3(F)	SPV 4057R	SPV 4058R(F)	SPV 4088R(F)	SPV 4058R7	Test method
Film type	PE film	PE film	PE film	PE film	PE film	n/a
Adhesive type	Acrylic-based	Acrylic-based	Acrylic-based	Acrylic-based	Acrylic-based	n/a
Total thickness	50µm	50µm	50µm	80µm	50µm	EN 1942
Adhesion to BA steel	65 cN/20mm	120 cN/20mm	120 cN/20mm	90 cN/20mm	180 cN/20mm	EN 1939
Tensile strength MD*	22 N/20mm	22 N/20mm	22 N/20mm	32 N/20mm	22 N/20mm	EN 14410
Elongation MD*	250%	250%	250%	350%	250%	
Weatherability**	75h	25h	25h	25h	None	ISO 4892-2
Color	Clear transparent	Blue transparent	Clear transparent	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
**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, 2000 mm* and 2500 mm*
* Not applicable for SPV 4058R3F, 4058RF and 4088RF
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

- 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, SPV R-series are immediately usable for further processing after lamination.
- SPV R-series are not recommended to be used in heavy forming processes.
- SPV R-series cannot be used on lacquers containing softeners (such as PVC lacquers).
- SPV R-series 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