

SPV R-SERIES

General description

SPV R-Series are surface protection tapes suitable to protect lacquered plates, glass, plastics and decorative laminates during mechanical processes, storage and transportation. These products consist of a PE film coated with a pressure sensitive acrylic-based adhesive, available in various colours, adhesion levels and thickness.

Construction



- Pressure sensitive acrylic-based adhesive
- PE film*

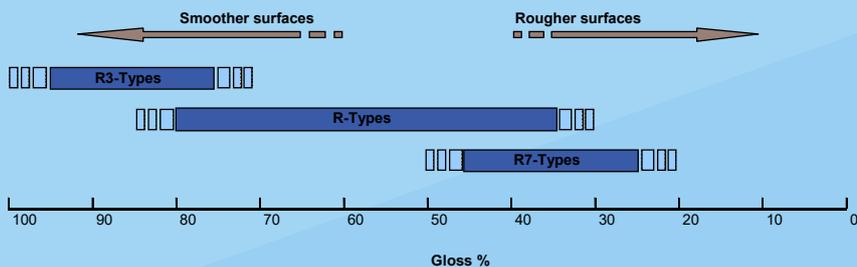
| | |
|---|-------------------|
| * SPV 4057R | Blue transparent |
| SPV 4058R3, SPV 4058R3F, SPV 4058R, SPV 4058RF, | |
| SPV 4088R, SPV 4058R7, SPV 4088RF | Clear transparent |

Characteristics

These products protect the substrate till the end of the supply chain against scratches and impurities. Depending on the protection required, these tapes are available in a thickness of 50µm and 80µm. The pressure sensitive acrylic-based adhesive shows good wetting behaviour during application. These tapes are available in 3 different adhesion levels: low (R3) – medium (R) – high (R7). Furthermore, the adhesives have a good humidity resistance. Low unwind during lamination and easy removability after application are typical properties for the R-Series. The transparency in different colours of R-Series allows easy identification and inspection of the protected substrates. SPV 4058R3F/4058RF/4088RF are special treated versions of SPV 4058R3/4058R/4088R. Its high transparency makes this product suitable for the protection of more critical surfaces where high esthetical appearance is required.

Application

SPV R-Series are ideal products to protect lacquered plates (such as acrylic, PUR, polyester, PVDF, epoxy powder coatings), glass, plastics (such as PMMA, ABS, PC, hard PVC) and decorative laminates. These tapes cover a wide variety of different substrates with gloss levels varying from 25% to 95%. Typical gloss levels for R3 - R- R7 are as mentioned in following table. The selection of the suitable type according to the gloss can be influenced by the roughness of the substrate.



CORE FUNCTION



TO PROTECT

Features

- special adhesive technology
- good wetting behaviour
- low unwind
- easy removable
- good humidity resistance
- usable for a wide variety of surface gloss levels
- available in 3 different adhesion levels
- substrate identification and inspection
- recyclable
- high transparency (SPV 4058R3F/ SPV 4058RF / SPV 4088RF)



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This datasheet replaces all previous versions

Properties

| | R3- Type 4058R3(F) | R-Types 4058R(F)/ 4057R | 4088R(F) | R7-Types 4058R7 | Test Method |
|----------------------------------|---|-------------------------------|---------------|--------------------|----------------|
| Colour | Clear | 4058R(F) Clear 4057R Blue | Clear | Clear | |
| Film Type | PE film | PE film | PE film | PE film | |
| Adhesive type | Acrylic-based | Acrylic-based | Acrylic-based | Acrylic-based | |
| Total Thickness | 50 µm | 50 µm | 80 µm | 50 µm | EN 1942 |
| Adhesion on BA steel | 65 cN/20mm | 120 cN/20mm | 90 cN/20mm | 180 cN/20mm | EN 1939 |
| Tensile strength MD** | 22 N/20mm | 22 N/20mm | 32 N/20mm | 22 N/20mm | EN 14410 |
| Weatherability on BA steel* | 75 h | 25 h | 25 h | None | ISO 4892-2 |
| Elongation MD* | 250 % | 250 % | 350 % | 250 % | EN 14410 |
| Transport and storage conditions | Temperature 15 to 30 °C Relative humidity 40 to 75% RH | | | | |

* The weatherability is measured on BA steel. Depending on the substrate the weatherability performance can be different. ** MD = Machine Direction
Details from the test methods are described on the customer product specification.
CAUTION: The above are typical values and should not be used in writing specifications.

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: 1000mm, 1250mm, 1500mm, 2000mm* and 2500mm*
Lengths: 500m and 1000m * Not applicable for SPV 4058RF/4088RF/4058R3F
Please contact us for specific dimensions.

Lamination guidelines

- The 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 apply 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 R-series cannot be used on lacquers containing softeners (such as PVC lacquers).
- These tapes are not recommended to be use in heavy forming processes.
- 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.

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.

Nitto Belgium NV has obtained following certificates:

- ISO 9001
- ISO 14001
- IATF 16949

Please check our website for applicable scope

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