

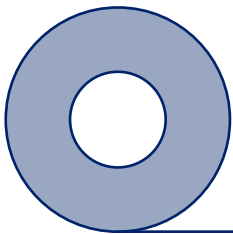
Product: **SPV 4075**

Product group: **Surface Protection Tapes**

General description

SPV 4075 is a surface protection tape suitable to protect matt, rough and irregular surfaces during light mechanical processes, storage and transportation. The tape consists of a blue transparent PE film coated with a pressure sensitive acrylic-based adhesive.

Construction



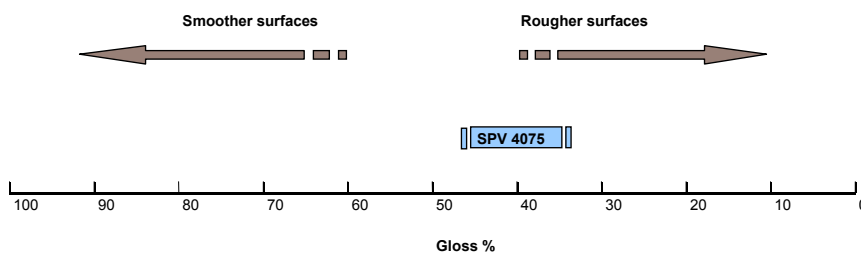
- Pressure sensitive acrylic-based adhesive
- Blue transparent PE film

Characteristics

This product protects the substrate till the end of the supply chain against scratches and impurities. The pressure sensitive acrylic-based adhesive gives a high adhesion level and makes it ideal for protection of surfaces with a gloss level between 35 to 45%. Furthermore, the adhesive has a good humidity resistance and shows good wetting behaviour during application. The transparency of this tape allows easy identification and inspection of the protected substrates.

Application

SPV 4075 is an ideal product to protect matt, rough and irregular surfaces, like plastics, lacquers and laminates. Furthermore it's a perfect solution for matt and textured PVDF or polyester lacquered substrates. This tape covers gloss levels varying from 35% to 45%. Typical gloss levels are mentioned in following table. The selection of the suitable type according to the gloss can be influenced by the roughness of the substrate.



Features

- rough surface protection
- high adhesion level
- good wetting behaviour
- good humidity resistance
- substrate identification and inspection
- recyclable

Properties

	Typical Value	Test Method
Film type	PE film	
Adhesive type	Acrylic-based	
Total thickness	70 µm	EN 1942
Adhesion on BA steel	185 cN/20 mm	EN 1939
Weatherability on BA steel*	25 h	ISO 4892-2
Tensile strength MD**	25 N/20 mm	EN 14410
Elongation MD	250 %	EN 14410
Colour	Blue transparent	
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: 200 m and 500 m

Please contact us for specific dimensions.

Lamination guidelines

- The tape 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, the tape is immediately usable for further processing after lamination.
- This tape is not recommended to be use in heavy forming processes.
- SPV 4075 cannot be used on lacquers containing softeners (such as PVC lacquers).
- The tape is 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 and 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 Europe'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 Europe 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.

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This datasheet replaces all previous versions

Nitto Europe NV has obtained following certificates:

- ISO 9001
 - ISO 14001
 - ISO/TS 16949
- Please check our website for applicable scope

If you require additional information on technical properties and application as well as product sampling or testing, please contact your local Nitto Europe sales office.



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