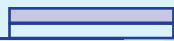
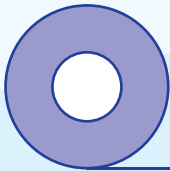


## SPV AFP SERIES

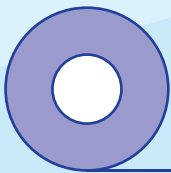
### General description

SPV AFP-series are surface protection tapes suitable to protect anti-fingerprint coated metals during mechanical processes. These products consist of a plastic film coated with a pressure sensitive based adhesive.

### Construction



- Pressure sensitive acrylic based adhesives
- Clear transparent PE film (SPV AFP-585)



- Pressure sensitive rubber based adhesive
- Blue transparent tear resistance PO film (SPV AFP-853)

### Characteristics

This product series protect the anti-fingerprint coating against scratches and impurities during mechanical processing.

SPV AFP-853 has a pressure sensitive rubber-based adhesive which gives a medium adhesion level and has enough oil resistance to protect the metal substrates during mechanical deformations. The PO film guarantees good elongation properties, which makes the tape suitable for processes like bending and punching.

SPV AFP-585 has a pressure sensitive acrylic-based adhesive with an 'easy peel' behaviour which shows a low unwind and tension during lamination process. It requires only a minimal peeling force to remove the tape easily from the protected surface. This peeling force will decrease in function of the removal speed.

SPV AFP-585 is a special treated version guaranteeing air-bubble free adhesive, which makes this product suitable for the protection of more critical, glossy surfaces where high esthetical appearance is required.

The transparency of all tapes allows easy identification and inspection of the protected substrates.

### Application

SPV AFP-series are surface protection tapes suitable to protect anti-fingerprint coated metals during transport and mechanical processes such as bending, punching and light and severe deformations.

## CORE FUNCTION



TO PROTECT

### Features

- oil-resistance (AFP-853)
- range of medium to high adhesion levels
- good deformation behaviour
- tear resistant film (PO film)
- air-bubble free adhesive (AFP-585)
- substrate identification and inspection
- good humidity resistance
- recyclable



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This datasheet replaces all previous versions



## Properties

	AFP-853	AFP-585	Test Method
Film Type	PO film	PE film	
Adhesive type	Rubber-based	Acrylic-based	
Total Thickness	80 µm	50 µm	EN 1942
Adhesion on BA steel	110 cN/20 mm	120 cN/20 mm	EN 1939
Tensile strength MD*	25 N/20mm	22 N/20 mm	EN 14410
Elongation MD*	250 %	250 %	EN 14410
Weatherability on BA	110 cN/20mm	120 cN/20mm	ISO 4892-2
Colour	Blue transparent	Clear transparent	
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  
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.

## 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: 1000m  
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 determine appropriate lamination conditions.
- The best lamination conditions are obtained at a temperature between 15 °C and 40 °C.

## Application guidelines:

- In general, this tape is immediately usable for further processing after lamination.
- SPV AFP-series are not designed for outside exposure. Even SPV AFP-853 and SPV AFP-585 are not designed for outside use, although they have limited UV resistance (according to ISO 4892-2 test method).
- This tape is not meant for permanent protection and is advised to be removed after the mechanical processing.

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

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

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