SURFACE PROTECTION TAPES

SPV AFP-585 | SPV AFP-575 | SPV AFP-853

General description

The SPV AFP series are Surface Protection Tapes suitable to protect anti-fingerprint coated metals during mechanical processes, storage and transport. These products consist of a PE film coated with a pressure sensitive acrylic-based adhesive (AFP-585 and AFP-575) or PO film coated with a pressure sensitive rubber-based adhesive (AFP-853).

Features

- Good oil resistance (AFP-853)
- Good deformation behaviour
- Tear resistant PO film (AFP-853)
- Air-bubble free adhesive
- Good humidity resistance
- Transparent film for substrate identification and inspection
- Recyclable film

Application

SPV AFP series are ideal products to protect anti-fingerprint coated metals against scratches and impurities during storage, transport and mechanical processes such as bending, punching, light and severe deformations. SPV AFP-853 has a rubber-based adhesive which gives a medium adhesion level. The PO film gives good elongation properties, which makes the tape suitable for processes like bending and punching. SPV AFP-585 and AFP-575 have an acrylic-based adhesive with an easy-to-peel behavior, which shows a low unwind and tension during lamination and easy removability from the protected surface. It has an air-bubble free adhesive, which makes this product suitable for the protection of more critical, glossy surfaces where high esthetical appearance is required.

Properties

	SPV AFP-585	SPV AFP-575	SPV AFP-853	Test method
Film type	PE film	PE film	PO film	n/a
Adhesive type	Acrylic-based	Acrylic-based	Rubber-based	n/a
Total thickness	50µm	50µm	80µm	EN 1942
Adhesion to BA steel	120 cN/20mm	120 cN/20mm	110 cN/20mm	EN 1939
Tensile strength MD*	22 N/20mm	22 N/20mm	25 N/20mm	EN 14410
Elongation MD*	250%	250%	250%	
Weatherability on BA steel**	25h	25h	40h	ISO 4892-2
Color	Clear transparent	Blue transparent	Blue 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
Lengths: 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 AFP-series are immediately usable for further processing after lamination.
- SPV AFP-series are not designed for prolonged outside exposure, although they have limited UV resistance.
- 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