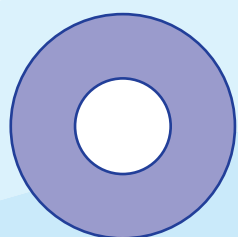


SPV DFP-SERIES: SPV DFP-583I, SPV DFP-585I

General description

The SPV DFP-Series are special manufactured air-bubble free surface protection tapes to protect high gloss lacquered substrates, against damages (scratches, abrasion, dirt) during mechanical processes, storage and transportation. These products consist of a clear transparent high grade PE film coated with a pressure sensitive pure acrylic adhesive, available in 2 adhesion levels.

Construction



- Pressure sensitive acrylic based adhesive
- Clear transparent high grade PE film

Characteristics

These products protect the substrate till the end of the supply chain against scratches and impurities.

Special production techniques result in a high grade PE film with limited amount of gels. Coated with an air-bubble free adhesive, the tape avoids the risk for prints and other visual defects on sensitive substrates.

The pure acrylic adhesive is pressure sensitive, suitable for different gloss levels and available in two different adhesive levels: low (DFP-583I) – medium (DFP-585I).

This special adhesive offers a stable adhesion strength and shows good wetting behaviour during application. Furthermore, the tapes have a good humidity resistance to avoid stains during oversea container transport. The transparency of these tapes allows easy identification and inspection of the protected substrates.

Application

SPV DFP Series are designed to protect high gloss decorative substrates.

These tapes are especially recommended to protect high gloss lacquered plastics and metals during mechanical processes.

CORE FUNCTION



TO PROTECT

Features

- high transparency
- special coating technology
- air-bubble free adhesive
- good wetting behaviour
- good humidity resistance
- available in low and medium adhesion level
- high grade PE film
- substrate identification and inspection
- recyclable



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This datasheet replaces all previous versions



Properties

	Typical Value	Test Method
Film Type	PE film	
Adhesive type	Acrylic-based	
Total Thickness	50 µm	EN 1942
Adhesion on BA steel	DFP-583I: 70 cN/20 mm DFP-585I: 130 cN/20mm	EN 1939
Tensile strength MD**	24 N/20 mm	EN 14410
Weatherability on BA steel*	None	ISO 4892-2
Elongation MD*	270 %	EN 14410
Colour	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

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: from 1000 mm to 1500 mm Lengths: 1000, 2000 m and 3000 m
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 DFP-Series cannot be used on lacquers containing softeners.
- The tapes are not designed for 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 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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