

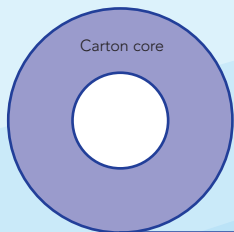
SPV TVP-430CT

General description

The SPV TVP-430CT is a special manufactured air-bubble free surface protection tape to protect lacquered and high gloss substrates, used as decorative parts, against mechanical damages (scratches, abrasion, dirt) during storage and transportation.

This product consists of a transparent PE film coated with a pressure sensitive pure acrylic adhesive.

Construction



- Pressure sensitive air-bubble free pure acrylic adhesive
- PE film: Clear transparent

Characteristics

This product protects the substrate till the end of the supply chain against scratches and impurities.

Special production techniques result in an air-bubble free adhesive, which avoids the risk for colour changes or prints on sensitive surfaces. The pure acrylic adhesive is pressure sensitive, suitable for a gloss level between 75 to 95% and low adhesive level.

The pressure sensitive acrylic-based adhesive shows good wetting behaviour during application.

Application

SPV TVP Series are designed to protect scratch-sensitive parts in consumer electronic devices.

These tapes can be used to protect decorative panels of flat panel TV's, DVD/CD players, game consoles, audio-systems, etc.

CORE FUNCTION



TO PROTECT

Features

- carton core
- high transparency
- special adhesive technology
- air-bubble free adhesive
- usable for high gloss substrates
- low adhesion level
- recyclable



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Edition: June 2021
Code: DS/12.07/A4 SPV TVP 430CT ENG
This datasheet replaces all previous versions



Properties

| | Typical Value | Test Method |
|--|--|-------------|
| Film Type | PE film | |
| Adhesive type | Pure acrylic | |
| Total Thickness | 50 µm | EN 1942 |
| Adhesion on BA steel | 60 cN/20 mm | EN 1939 |
| Tensile strength MD** | 25 N/20 mm | EN 14410 |
| Weatherability on BA steel* | None | ISO 4892-2 |
| Elongation MD* | 200 % | EN 14410 |
| Colour | Clear | |
| Optimum transport and storage conditions | Temperature 5 to 35 °C Relative humidity 40 to 85% 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 12 months thereafter, subject to the conditions set out herein.

Availability

Widths: 30mm up to 1250 mm Lengths: 200 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 determine appropriate lamination conditions.
- The best lamination conditions are obtained at a temperature between 15 and 40 °C.

Application guidelines

- In general, these tapes are immediately usable for further processing after lamination.
- SPV TVP-Series cannot be used on lacquers containing softeners (such as PVC lacquers).
- These 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. 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 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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