SURFACE PROTECTION TAPES

SPV 9205

General description

SPV 9205 is a Surface Protection Tape suitable to protect high gloss metals during mechanical processes such as deep drawing and profiling. This product consists of a blue transparent PE film coated with a pressure sensitive easy-to-peel acrylic-based adhesive.

Features

- Easy-to-peel removability
- High adhesion level
- Very low unwind
- Very good deformation behavior
- Good humidity resistance
- For protection of high gloss surfaces
- Transparent film for substrate identification and inspection
- Recyclable film

Application

SPV 9205 protects high-gloss substrates such as aluminum, copper and stainless steel from scratches and impurities during mechanical processing. The use of this tape allows the protected surfaces to be processed with a high level of adhesion while the removability requires a minimum peel force. The advantage of using SPV 9205 in these processes is a significant reduction in lubricants and cleaning operations, resulting in lower operating costs.

Properties

	Typical value*	**Test method**
Film type	PE film	n/a
Adhesive type	Acrylic-based	n/a
Total thickness	60µm	EN 1942
Adhesion to BA steel	200 cN/20mm	EN 1939
Tensile strength MD**	25 N/20mm	EN 14410
Elongation MD**	250%	
Color	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

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, 1500mm and 2000 mm
Lengths: 500 m and 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

- If the substrate concerns stainless steel, which is treated by a grinding or polishing machine, it is advisable to wait at least 1 day before laminating the surface protection tape. This is necessary to ensure the correct build-up of the self-healing passive layer. Immediate lamination after polishing can lead to difficult removability of the surface protection tape.
- This 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

- It is recommended to perform further processing after a lamination period of about 1 week.
- SPV 9205 is not designed for outside exposure.
- This tape is not meant for permanent protection, it is advisable to remove the tape after the mechanical processes.

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