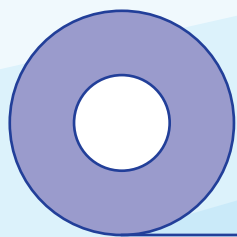


SPV 6065E5 HP

General description

SPV 6065E5 HP 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 special tear resistant "High Performance" PO film coated with a pressure sensitive "easy peel" acrylic-based adhesive.

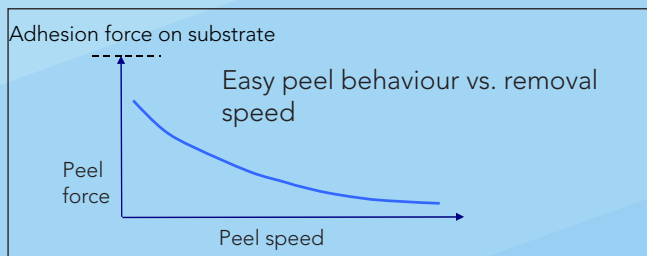
Construction



- Pressure sensitive acrylic-based "easy peel" adhesive
- Tear resistant "High Performance" blue transparent PO film

Characteristics

This product protects the substrate during processing against scratches and impurities. The tape features a high adhesion level and the adhesive has a good humidity resistance. The 'easy peel' behaviour of the adhesives 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. The use of SPV 6065E5HP in these processes gives the advantage of substantial reduction of lubricants and cleaning handlings, resulting in lower operational costs. Due to its high tear resistance (in all directions) and good elongation properties, the special "High Performance" PO film makes the tape suitable to use in heavy deformation processes. Furthermore, this film shows good oil-resistance compared to the usual PE-films. The transparency of this tape allows easy identification and inspection of the protected substrates.



Application

SPV 6065E5 HP is a surface protection tape suitable to protect high gloss substrates such as aluminium and stainless steel during mechanical processes. The use of this tape makes it possible to process the protected surfaces with a high adhesion level.

CORE FUNCTION



TO PROTECT

Features

- special "easy-peel" adhesive
- zipper effect during peel off
- very low unwind
- high adhesion level
- very good deformation behaviour
- high tear resistance in all directions (High Performance PO film)
- for protection of high gloss surfaces
- good humidity resistance
- substrate identification and inspection
- recyclable



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This datasheet replaces all previous versions



Properties

	Typical Value	Test Method
Film Type	Tear resistant PO film	
Adhesive type	Acrylic-based	
Total Thickness	60 µm	EN 1942
Adhesion on BA steel	200 cN/20 mm	EN 1939
Tensile strength MD**	40 N/20 mm	EN 14410
Weatherability on BA steel*	25h	ISO 4892-2
Elongation MD*	600 %	EN 14410
Colour	Blue 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: 1000 mm, 1250 mm, 1500 mm and 2000 mm Lengths: 500 m and 1000 m
Please contact us for specific dimensions

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.
- The tape 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

- It is recommended to perform further processing after a lamination period of about 1 week.
- SPV 6065E5 HP 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.

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

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

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