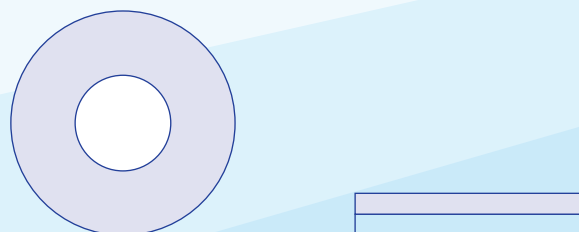


SPV 6055L3 HP

General description

SPV 6055L3 HP is a surface protection tape, which protects high gloss stainless steel during mechanical processing, such as deep drawing, bending and punching. This product consists of a blue transparent PO film coated with a special pressure sensitive "easy-peel" adhesive.

Construction



- Pressure sensitive emulsion-based acrylic adhesive
- Blue transparent PO film

Characteristics

SPV 6055L3 HP protects the substrate during stainless steel processing, against scratches and impurities.

The 'easy peel' behaviour of the adhesive shows a low unwind and tension during lamination and an easy removability at the end of the mechanical process.

The tape features a stable adhesion force over time, ensuring consistency during deformation as well during peel-off at the end of the process. This adhesion stability has a big advantage for steel service centres where long storage times can occur. Furthermore, the emulsion-based adhesive will not create staining on the steel surface, even under severe humid conditions.

A specially designed High Performance (HP) PO film guarantees good tear resistance in both machine and cross direction, which leads to very minor film burrs during processing. The transparency of this tape allows easy identification and inspection of the protected substrate.

Application

SPV 6055L3 HP is an ideal product for protecting high gloss stainless steel during mechanical processes, like deep drawing, bending and punching.

The product is especially designed for full automated process lines where high output is a standard. It performs as a real problem solver for very difficult and complex shapes.

CORE FUNCTION



TO PROTECT

Features

- low unwind force for easy lamination
- stable adhesion force for long storage time
- low adhesion level ideal for high gloss stainless steel
- excellent tear-resistance film for good deformation behavior
- "easy-peel" adhesive for fast removability



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Properties

	Typical Value	Test Method
Film Type	PO film	
Adhesive type	Acrylic-based	
Total Thickness	55 µm	EN 1942
Adhesion on BA steel	55 cN/20 mm	EN 1939
Tensile strength MD*	35 N/20 mm	EN 14410
Tensile strength CD*	25 N/20 mm	
Elongation MD*	550 %	EN 14410
Elongation CD*	650 %	
Colour	Blue transparent	
Optimum transport and storage conditions	Temperature 5 to 35 °C Relative humidity 40 to 85% RH	

* MD = Machine Direction, CD = Cross Direction

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.

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 365 days thereafter, subject to the conditions set out herein.

Availability

Widths: max 1500 mm Lengths: 1000 m
Please contact us for specific dimensions

Lamination guidelines

- 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.
- To obtain ideal lamination conditions in winter period, SPV 6055L3 HP should be stored and conditioned at minimum 20 °C. During the lamination process the surrounding temperature and the temperature of the stainless steel coil should be between 15 °C and 30 °C.

Application guidelines

- SPV 6055L3 HP can be processed immediately after lamination as well after a long lamination period.
- SPV 6055L3 HP is not designed for outside exposure.
- This tape is not meant for permanent protection, SPV 6055L3 HP is designed to be removed directly 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 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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