

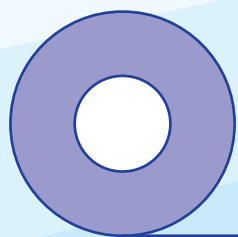
SPV CGP-SERIES

General description

The SPV CGP-series are surface protection tapes suitable to protect heat treatable coatings on glass substrates immediately after coating, during storage, transportation and converting.

These products consist of a PE film coated with a pressure sensitive acrylic-based adhesive, available in 2 mass tinted carriers and 4 adhesion levels.

Construction



- Pressure sensitive acrylic-based adhesive
- PE film*

* SPV CGP-470
SPV CGP-551 / 591
SPV CGP-572

Clear transparent
Blue transparent
Green transparent

Characteristics

These SPV CGP-series protect the heat treatable coatings on glass against mechanical damages (eg. scratches), fingerprints and environmental influences (eg. humidity, corrosion). The benefits of the adhesive are a stable adhesion strength and a good humidity resistance, which makes these products suitable to protect coated glass during handling, washing, grinding, cutting and eventually hole drilling.

For PVD-coated glass there are 3 products available with 3 different adhesion levels: medium (CGP-551) – high (CGP-572) – very high (CGP-591). The highest grade is especially designed to withstand tough process parameters such as hole drilling. These types are easy to peel as the adhesion strength drops instantly to a very low level during removal from jumbo glass sheets without damaging the sensitive coating.

For curtain-coated glass CGP-470 is recommended. This adhesive has excellent flow behaviour, which is necessary to adhere to rougher surface structures.

The transparency of all SPV CGP-series allows easy identification and inspection of the protected substrates.

Application

SPV CGP-series are designed to protect heat treatable coated glass sheets during storage, transportation and converting.

CORE FUNCTION



TO PROTECT

Features

- stable adhesion
- different adhesion levels
- transparency for substrate inspection
- available in 3 colors
- easy removable
- good humidity resistance
- recyclable



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This datasheet replaces all previous versions



Properties

	CGP-470	CGP-551	CGP-572	CGP-591	Test Method
Film Type	PE film	PE film	PE film	PE film	
Adhesive type	Acrylic	Acrylic	Acrylic	Acrylic	
Total Thickness	50 µm	50 µm	50 µm	50 µm	EN 1942
Adhesion on BA steel	180 cN/20mm	70 cN/20mm	150 cN/20mm	300 cN/20 mm	EN 1939
Tensile strength MD**	30 N/20 mm	22 N/20 mm	22 N/20 mm	22 N/20 mm	EN 14410
Weatherability on BA *	0 h	75 h	75 h	0 h	ISO 4892-2
Elongation MD**	280 %	250 %	250 %	250 %	EN 14410
Colour	Clear	Blue	Green	Blue	
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: max 3300 mm Lengths: max 4000 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 °C and 40 °C.

Application guidelines

- In general, these tapes are immediately usable for further processing after lamination.
- SPV CGP-Series is not designed for prolonged outside exposure.
- Surface protection tapes are not meant for permanent protection, they should be removed at the end of the supply chain (before tempering process)

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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