

# TECHNICAL DATA SHEET

## TECHNISCHES DATENBLATT

### Seam tape

YST520

#### GENERAL INFORMATION

The seam tape YST520 is made of the same material as the self-adhesive UV protection foil YSA520. For this reason, all data and properties for the UV protective foil also apply to the seam tape. The yellow light products were specially developed for UV photo-sensitive applications and blocks UV radiation below 520 nm. The seam tape YST520 consists of yellow-dyed cellulose triacetate and is coated on one side with permanent dispersion glue, it can laminate on all solid surfaces.

#### FEATURES

- Blocks wavelengths below 520 nm (see semi-logarithmic graph next page)
- Outstanding optical purity
- High adhesion
- Long-term UV stable
- High inherent scratch resistivity

#### TECHNICAL DATA

Bond strength immediately:	~ 7.5 N / 25 mm
Bond strength after 7 days:	~ 15 N / 25 mm
Adhesive:	Acrylic-dispersion adhesive
Cover:	PE cover, red plaid in 10 mm grid
Width:	10 mm
Length:	50 m
Temperature range during application:	15 °C
Temperature range :	-30 °C to +80 °C

#### CHEMICAL CHARACTERISTICS

The laminated seam tape YST520 is waterproof and resistant to most oils and greases, gasoline and aliphatic hydrocarbons. The surface of the seam tape is partially dissolved or swollen by hydrochlorofluorocarbons, ketones or aromatic solvents, which can affect the optical properties.

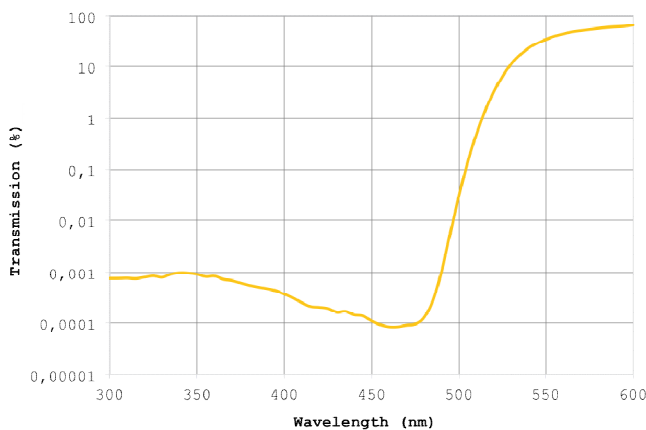
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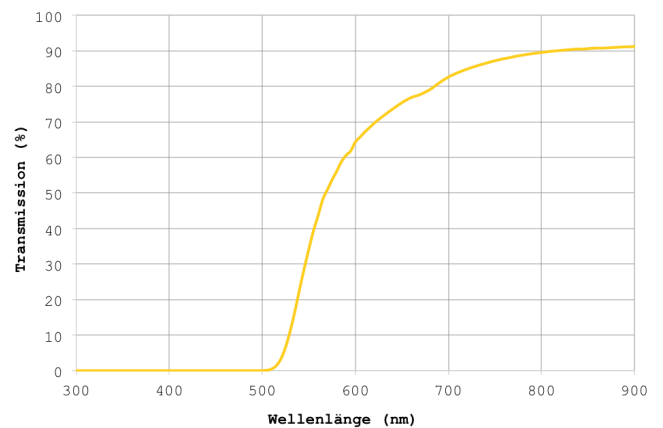
### OPTICAL TRANSMISSION

The transmission characteristics of our self-adhesive seam tape YST520 are very close to our former yellow foil Y520, and were specially adapted to the stringent quality requirements in the area of the yellow rooms in e. g. photolithography/ micro-electronics industry. The plot shown below is semi-logarithmic. At 450 nm wavelength, therefore, the transmission is close to the detection limit. If you compare our film with other "yellow" foils, we recommend to ask for a semi-logarithmic transmission plot.

Semi-logarithmic transmission graph



linear transmission graph



This transmission spectrum is not to be seen as specification, but as exemplaric measurement of a certain lot of our yellow foil.

### FIRE BEHAVIOR

The laminated seam tape YST520 is self-extinguishing.

### STORAGE

Under proper storage conditions of 5 - 25 °C and a relative humidity of 30 - 60%, the seam tape YST520 has a shelf life of up to one year.

### INSTALLATION

If the surface to be covered with yellow foil is broader than the roll (which has a width of 108 cm), you can stitch two pieces of foil side by side and cover the abutting ends with our special seam tape YST520. With the seam tape you can be sure, that no UV light will tunnel into your room. This seam tape you can use as well for covering the edges between the foil and the window frame. The yellow foil YSA520 can be glued with our mounting fluid DXMF301 easily and bubble-free on any smooth and solid surfaces. Detailed information is available in our assembly instructions for self-adhesive UV protection film yellow YSA520. For filtering fluorescent tubes, we recommend our specially designed polycarbonate sleeves. Here, our UV protective film Yellow Y520 is already incorporated, so you can cost-effectively "upgrade" standard white fluorescent tubes for your yellow light application.

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### SALES UNITS

Article-number:	Width:	Length:
GEZBDX520	10 mm	50 m

### Further Information

All data and information relate to the best of our knowledge and are based on measurement and experience. It remains in your responsibility to check the suitability of our yellow foil for the intended use of it. Our products are regularly quality-tested and further developed. We therefore reserve the right to adjust without additional information, the chemical composition or physical characteristics of new knowledge.

For any further information please contact our technical advisory.

Your request by E-Mail or Phone.

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