

Product Information

POLI-FLEX® TURBO 4901-1 / 4902-1 is a polyurethane transfer film equipped with a special hotmelt for fast application at low temperature.

POLI-FLEX® TURBO 4901-1 / 4902-1 is suitable for transfer to textiles like cotton, polyester, uncoated nylon, mixtures of polyester/cotton and polyester/acrylic. For application to Nylon that is treated with any kind of coating, please test for suitability. POLI-FLEX® TURBO 4901-1 / 4902-1 can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

POLI-FLEX® TURBO 4901-1 / 4902-1 can be cut with all current plotters. We recommend using a standard 45° knife. After weeding the cut flex film is transferred by heat press. The polyester liner should be removed lukewarm.

The soft, elastic transfer film offers a comfortable textile touch and convinces due to high wearing comfort. POLI-FLEX® TURBO 4901-1 / 4902-1 excels due to an excellent opacity.

The raw materials are ecologically inert, do not contain PVC, plasticizers or heavy metals (in accordance with OEKO-TEX STANDARD 100 Class I).

Guarantee for a secure and long-lasting bond of POLI-FLEX® TURBO 4901-1 / 4902-1 is only given when following the specified temperature and pressure conditions.

POLI-FLEX® TURBO® series can be pressed on top of each other. Press the final, top layer at 150 °C for 10 sec. and remove the PET liner cooler than usual.

We recommend evaluation on test material.

Due to the various influences which occur from production and transfer of plotter letterings, consistency of the carrier materials and also washing and cleaning conditions, product liability can only cover the unprocessed material.

Standard Dimensions

500 mm x 10 m *
500 mm x 25 m

* Non-standard dimension. Converted after order entry. Extended delivery times may occur

Technical Data

Transfer Film:	Polyurethane, cast
Adhesive:	Co-polyester-hotmelt
Thickness [mm]:	0,095 +/- 5 %
Liner:	PET-film, non-adhesive

Transfer Conditions

Pressure:	2,5 - 3,0 bar [medium pressure]
Temperature / Time:	130 °C, 5 sec. / 150 °C, 4 sec. / 160 °C, 3 sec.

NYLON

Pressure:	2,0 bar [low pressure]
Temperature / Time:	150 °C, Pre Heat 5 sec. Apply to Nylon 5 sec. Remove PET liner, cover transfer with silicon paper & apply for further 10 sec.

Please consider to adjust the application time when using highly structured cotton or cotton mixture fabrics.

Wash Resistance

Wash resistance:	60 °C Suitable for tumble drying (commercial tumble dryer up to 100°C) and dry-cleaning. Wash textile inside out.
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Safety Data Sheet

When used under normal conditions, this product does not generate or release any dangerous substances or hazardous chemicals. This is a non-hazardous product in accordance with the current GefStoffV and EU criteria. Therefore it is not necessary to prepare a Material Safety Data Sheet for this product. The Safety Data Sheet serves only to comply with the regulation to supply information in accordance with REACH Regulation (EC) No. 1907/2006 and is available on request. This product is not a hazardous product with regards to transportation legislation; neither does it contain substances that are hazardous to water within the meaning of the federal water act. After use, dispose of the waste product in accordance with the local / national authorities.

Safety information in accordance with Regulation (EU) 2023/988 on general product safety from the European Parliament can be found at www.poli-tape.de/safety.

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The following technical details are issued to the best of our knowledge, however, without any responsibility. Due to the varied and application-related influences the product liability can only be applied to unprocessed material. Therefore, we highly recommend that before every usage a test should be conducted on the original material.