

POLI-FLEX® TURBO®

PRODUCT INFORMATION

POLI-FLEX® TURBO® is our newest polyurethane transfer film equipped with a special hotmelt for fast application at low temperature.

POLI-FLEX® TURBO® 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® can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

POLI-FLEX® TURBO® 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 warm, except for the NEON-colours the 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® excels due to an excellent opacity. POLI-FLEX® with a self-adhesive PET liner enables a reposition. 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® is only given when following the specified temperature and pressure conditions.

With the exception of the NEON-, METALLIC- and BRIGHT-colours the 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.

TECHNICAL DATA

Transfer Film: Polyurethane, cast

Adhesive: Co-polyester-hotmelt

Thickness [mm]:

Standard colors: 3.9mil/100µm ± 20%

Neon colors: 4.7mil/120µm ± 10%

Metallic colors: 4.5mil/ 115µm ± 10%

Bright colors: 4.3mil/110µm ± 10%

Liner: PET-film, self-adhesive

TRANSFER CONDITIONS**Pressure:** 44 PSI [medium pressure]**Temperature/Time:** 265 °F, 5 sec. / 300°F, 4 sec. / 320 °F, 3 sec.**NYLON****Pressure :** 29 PSI [low pressure]**Temperature/Time :** 300 °F,

- 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

60 °C

Suitable for tumble drying (commercial tumble dryer up to 100°C) and dry-cleaning. Wash textile inside out.

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 on general product safety from the European Parliament can be found at www.poli-tape.de/safety.

DISCLAIMER

The information on the physical and chemical properties and values contained in this document is based on tests we believe to be reliable; however, it does not constitute a guarantee. It is provided for informational purposes only, without warranty, and does not establish any guarantee. Buyers should independently verify the suitability of this material for their specific intended use prior to use. All technical data is subject to change. All POLI-TAPE products are sold in accordance with the terms and conditions of sale. For further information, please contact your POLI-TAPE sales representative. In the event of any ambiguity or discrepancy between the English version and foreign-language versions of this document, the English version shall prevail and take precedence.

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