POLI-TAPE®

TECHNICAL DATA SHEET
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POLI-FLEX® PREMIUM

PRODUCT INFORMATION

POLI-FLEX® PREMIUM is an ecologically proven polyurethane film with matt, reflection free surface, in accordance with Oeko-Tex Standard 100 Class I.

POLI-FLEX® PREMIUM is suitable to transfer onto textiles like cotton, mixtures of polyester/cotton and polyester/acrylic.

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

POLI-FLEX® PREMIUM 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 PET liner should be removed warm, except for the neon colours (POLI-FLEX®403, 440 – 443) the liner should be removed lukewarm. Afterwards we recommend pressing the material for another 2 sec. with the same parameters. Nylon and textiles with hydrophobic impregnation are not suitable for heat transfer. In this case we recommend using POLI-FLEX® NYLON.

The soft, elastic transfer film offers a comfortable textile touch and convinces due to high wearing comfort. POLI-FLEX® PREMIUM excels due to an excellent opacity. POLI-FLEX® PREMIUM 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®PREMIUM is only given when following the specified temperature and pressure conditions. With the exception 420 Gold Metallic, 430 Silver Metallic and the Neon colours (403, 440 – 443), the POLI-FLEX® PREMIUM series can be pressed on top of each other.

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
- 1.000 mm x 25 m *
- 1.254 mm x 25 m *

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

TECHNICAL DATA

Transfer Film: Polyurethane, cast
Adhesive: Polyurethane-hotmelt
Thickness [mm]: 0,10 +/- 10 %
Liner: PET-film, self-adhesive

TRANSFER CONDITIONS

Pressure: 2,5- 3,0 bar [medium pressure]
Temperature/Time: 160°C / 15 sec.

WASH RESISTANCE	80 °C Suitable for tumble dry and dry-cleaning; Perchloroethylene (Tetrachloroethylene). Wash textile inside out.
SAFTY 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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