

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.

Technical Data

Transfer Film:	Polyurethane, cast
Adhesive:	Polyurethane-hotmelt
Thickness [mm]:	0,10 +/- 5 %
Liner:	PET-film, self-adhesive

Transfer Conditions

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

Wash Resistance

Wash resistance:	80 °C Suitable for tumble dry and dry-cleaning; Perchloroethylene (Tetrachloroethylene). Wash textile inside out.
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Standard Dimensions

500 mm x 10 m
500 mm x 25 m
1.000 mm x 25 m *
1.524 mm x 25 m *

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

More information on page 2.



POLI-FLEX® PREMIUM

Polyester Textiles

Polyester textiles (e. g. football shirts, Softshell jackets) are coloured with special colouring. During the thermal transfer the colour particles are activated and could seep through the Flex material. Therefore we recommend using POLI-FLEX® BLOCKOUT SOFT instead of POLI-FLEX® PREMIUM. The colours of the POLI-FLEX® PREMIUM marked with a * have an excellent sublimation resistance even though they do not possess an extra blockout coating.

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.

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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.