

Product Information

POLI-FLEX® BLOCKOUT SOFT 4501-1S is a sublimation-resistant, multilayer polyurethane film with a high opacity and a pleasantly soft touch. Even high temperatures will not cause any sublimation inks to bleed through the garment.

POLI-FLEX® BLOCKOUT SOFT 4501-1S is suitable to transfer onto textiles like cotton, mixtures of polyester/cotton and polyester/acrylic.

POLI-FLEX® BLOCKOUT SOFT 4501-1S can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

POLI-FLEX® BLOCKOUT SOFT 4501-1S can be cut with all current plotters. We recommend using a standard 45° knife. We recommend minimum time to be taken between plotting and further processing. After weeding the cut flex film is transferred by heat press. To avoid a sublimation migration we recommend that the garment is not preheated. The PET liner should be removed lukewarm. Nylon and textiles with hydrophobic impregnation are not suitable for heat transfer.

POLI-FLEX® BLOCKOUT SOFT 4501-1S excels due to an excellent opacity. The raw materials are ecologically inert, do not contain PVC, plasticizers or heavy metals.

Guarantee for a secure and long-lasting bond of POLI-FLEX® BLOCKOUT SOFT 4501-1S is only given when following the specified temperature and pressure conditions.

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.

Please note that restrictions may occur when using stretchable garments due to the BLOCKOUT layer. As a result, creases, cracks or crinkles can appear. This depends strongly on the composition of the textile as well as the size and kind of lettering used.

We recommend to use the same Batch / Lot numbers for each order, due to possible colour tone variances which could occur within different productions.

Technical Data

Transfer Film:	Polyurethane, cast
Adhesive:	Co-polyester-hotmelt
Thickness [mm]:	0,125 +/- 10 %
Liner:	PET-film, non-adhesive

Transfer Conditions

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

Wash Resistance

Wash resistance:	60 °C Suitable for dry-cleaning (Perchloroethylene / Tetrachloroethylene). Wash textile inside out.
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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.

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.