POLI-TAPE®

TECHNICAL DATA SHEET
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POLI-FLEX® 4950 CHALKBOARD

PRODUCT INFORMATION

OLI-FLEX® 4950 CHALKBOARD is our latest polyurethane transfer film with chalkboard characteristics. The film is equipped with a specifial PU surface suitable for lettering with chalk after heat transfer. Chalk can be wiped away easily with a wet cloth for multiple application. Due to the used low-temperature hotmelt adhesive, POLI-FLEX® 4950 CHALKBOARD can be transferred quickly and gently at low temperatures.

POLI-FLEX® 4950 CHALKBOARD 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® 4950 CHALKBOARD can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

POLI-FLEX® 4950 CHALKKBOARD 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.

The soft, elastic transfer film offers a comfortable textile touch and convinces due to high wearing comfort. POLI-FLEX® 4950 CHALKBOARD excels due to an excellent opacity. POLI-FLEX® 4950 CHALKBOARD with a self-adhesive PET liner enables a reposition. 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® 4950 CHALKBOARD is only given when following the specified temperature and pressure conditions.

We recommend evaluation on test material. Please note that used pens and chalks have an influence on the performance of our material, therefore we recommend to test them before usage.

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
Thickness [mm]: 0,095 +/- 10 %
Liner: PET-film, self-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

60 °C

SSuitable for tumble drying (commercial tumble dryer up to 100°C) and dry-cleaning. 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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