POLI-TAPE®

TECHNICAL DATA SHEET
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POLI-FLEX® 4882 REFLEX NYLON

PRODUCT INFORMATION

POLI-FLEX® REFLEX NYLON is a transfer film based on a fabric with retro-reflective properties. Due to a special heat sealing adhesive POLI-FLEX® REFLEX NYLON is suitable for the transfer onto Nylon and textiles with hydrophobic impregnation.

The film consists of metalized microscopic glass beads laminated to a dry heat-reactivating adhesive backing. A transparent, self-adhesive PET liner on the reflective side guarantees that the film can be cut with all current plotters. We recommend using a standard 45° knife. Due to the fabric backing it is possible to cut letterings with a min. line width of 3 mm.

After weeding the cut flex film is transferred for 3 - 4 sec. by heat press. The PET liner should be removed lukewarm. After cooling down, the material is to be pressed for another 10 - 15 sec. with the same parameters.

POLI-FLEX® REFLEX NYLON is composed of wide-angle, exposed, retro-reflective lenses. The photometric values (min. retro-reflection values) conform to EN 471 (class 2).

Guarantee for a secure and long-lasting bond of POLI-FLEX® REFLEX NYLON is only given when following the specified temperature and pressure conditions.

We recommend evaluation on test material. This also applies to the sublimation inks and printers used.

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: Effect-vinyl, retro-reflective
Adhesive: Polyamide -hotmelt
Thickness [mm]: 0,18 +/- 10 %
Liner: PET-film, self-adhesive

TRANSFER CONDITIONS

Pressure: 44 PSI [medium pressure]
Temperature/Time: 300°F, Pre-pressing: 4 sec.
PET-liner lukewarm removing
Second pressing: 10 sec.

WASH RESISTANCE

100 °F

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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