

Product Information

POLI-FLEX® NYLON REFLEX ECO is a transfer film based on a fabric with retro-reflective properties. Due to a special heat sealing adhesive POLI-FLEX® NYLON REFLEX ECO 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® NYLON REFLEX ECO 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® NYLON REFLEX ECO 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.

Technical Data

Transfer Film:	Effect Film, retro-reflective
Adhesive:	Polyamide-hotmelt
Thickness [mm]:	0,18 +/- 5%
Liner:	PET-film, self-adhesive

Transfer Conditions

Temperature:	150 °C
Pressure:	2,0 bar
Time:	Pre-pressing: 4 sec. PET-liner lukewarm removing Second pressing: 10 sec.

Wash Resistance

Wash resistance:	40 °C Wash textile inside out.
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Standard Dimensions

500 mm x 25 m

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.