



# POLI-FLEX NYLON REFLEX ECO

## Product Information

POLI-FLEX NYLON REFLEX ECO is a silver 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

<b>Transfer Film:</b>	Effect Film, retro-reflective
<b>Adhesive:</b>	Polyamide-hotmelt
<b>Thickness [mm]:</b>	0,20 +/- 5 %
<b>Liner:</b>	PET-film, self-adhesive

## Transfer Conditions

<b>Temperature:</b>	145° - 150° C
<b>Pressure:</b>	2 – 2,5 bar
<b>Time:</b>	Pre-pressing: 3 – 4 sec. PET-liner lukewarm removing Second pressing: 10 – 15 sec.

## Wash Resistance

<b>Wash resistance:</b>	30° C Suitable for dry-cleaning; Perchloroethylene (Tetrachloroethylene). Wash textile inside out.
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## Standard Dimensions

500 mm x 25 m

## Safety Datasheet

MSDS have not been prepared for these products, they are not subject to the MSDS requirements of the Occupational Safety and Health Administrations Hazard Communication Standard, 29 C.F.R.1910.1200 (b)(6)(v). When used under reasonable conditions and in accordance with the Poli-Tape directions for use, these products do not present a health and safety hazard. However, use or processing of the products in a manner which is not in accordance with the directions for use may affect their performance and present potential health and safety hazards.

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The following technical details are issued to the best of our knowledge, however, without any responsibility for results due to several different kinds of material and application processes. Therefore, we highly recommend that before every usage a test should be conducted on the original material.