



## POLI-FLEX® 4781 REFLEX SILVER

**3M Scotchlite™**  
Reflective Material

### Product Information

POLI-FLEX® REFLEX SILVER 3M is a silver transfer film with retro-reflective properties and suitable to transfer onto textiles like cotton, uncoated nylon, mixtures of polyester/cotton and polyester/acrylic.

POLI-FLEX® REFLEX SILVER 3M can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

The film consists of metalized microscopic glass beads laminated to a dry heat-reactivating adhesive backing. A transparent PET-film on the reflective side guarantees that the film 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.

For application to nylon that is treated with any kind of coating, please test for suitability or we recommend to use POLI-FLEX® 4882 REFLEX NYLON.

POLI-FLEX® REFLEX SILVER 3M is composed of wide-angle, exposed, retro-reflective lenses. The photometric values (min. retro-reflection values) conform to EN ISO 20471:2013.

Guarantee for a secure and long-lasting bond of POLI-FLEX® REFLEX SILVER 3M 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>	Copolyester-hotmelt
<b>Thickness [mm]:</b>	0,16 +/- 10 %
<b>Liner:</b>	PET-film, self-adhesive

### Transfer Conditions

<b>Temperature:</b>	160 °C
<b>Pressure:</b>	3,5 bar [medium pressure]
<b>Time:</b>	15 sec.

### Wash Resistance

<b>Wash resistance:</b>	60° C Suitable for tumble dry. Wash textile inside out.
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### Standard Dimensions

500 mm x 25 m  
500 mm x 10 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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04/06/2019

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.