



## POLI-FLEX® 4790 LUMINOUS

### Product Information

POLI-FLEX® LUMINOUS is a luminescent (glowing in the dark) flex film laminated with a heat sealing adhesive.

POLI-FLEX® LUMINOUS is suitable for transfer to textiles like cotton, mixtures of polyester/cotton and polyester/acrylic. POLI-FLEX® LUMINOUS can be used for lettering on T-shirts, sport & leisure wear, sport bags and promotional articles.

The Luminescent (Glow in the Dark) period and intensity depends on several factors, light source, intensity of light source and the duration of illumination. POLI-FLEX® LUMINOUS can glow for more than 20 hours if the film is completely charged, The afterglow is reduced during illumination, we cannot specify any measured values. The film can be charged within 60 seconds if subjected to direct sunshine. This is enough to generate the Glow in the Dark effect for more than 20 hours. POLI-FLEX® LUMINOUS convinces due to the high quality and high percentage of phosphorescent pigments used and provides a long sustained afterglow.

POLI-FLEX® LUMINOUS 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 PET liner should be removed warm.

Nylon and textiles with hydrophobic impregnation are not suitable for heat transfer. In this case we recommend using POLI-FLEX® NYLON.

Guarantee for a secure and long-lasting bond of POLI-FLEX® LUMINOUS 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, luminescent
<b>Adhesive:</b>	Polyurethane-hotmelt
<b>Thickness [mm]:</b>	0,31 +/- 10 %
<b>Liner:</b>	PET-film, non 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 Wash textile inside out. Tumble dryable.
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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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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.