POLI-TAPE®

TECHNICAL DATA SHEET
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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.

STANDARD DIMENSIONS

- 500 mm x 10 m
- 500 mm x 25 m

TECHNICAL DATA

Transfer Film: Effect-vinyl, luminescent
Adhesive: Polyurethane-hotmelt
Thickness [mm]: 0,31 +/- 10 %
Liner: PET-film, non-adhesive

TRANSFER CONDITIONS

Pressure: 50 PSI [medium pressure]
Temperature/Time: 320°F / 15 sec.

WASH RESISTANCE

140 °F
Wash textile inside out. Tumble dryable.

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.

POLI-TAPE Klebefolien GmbH
Zeppelinstraße 17
53424 Remagen - GERMANY
Phone: +49 2642 - 98 36 0
Fax: +49 2642 - 98 36 37
E-Mail: info@poli-tape.de
Internet: www.poli-tape.de