

## TURBO® PRINT 4046 MATT NON-ADHESIVE

TURBO PRINT HTV-films are not only ideal printable flex films, offering a huge range of benefits to the applier during the handling and application on the fabric, but also ensuring a long-term high-end quality textile decoration to the end user. These products have been developed for professional quality application with motives and logos on sport, leisure and work wear.

With its non-adhesive liner it's ideal for all design sizes; bigger designs can be weeded and transferred the standard way, while small designs will be reverse weeded, both options with our POLI-TACK transfer tapes.

Since its launch, TURBO PRINT 4046 MATT NON-ADHESIVE has rapidly developed to the benchmark of printable flex materials.

### CONSTRUCTION

- Base Material: Matt Cast Polyurethane Film
- Adhesive: Co-polyester hotmelt
- Thickness: 100 µm ± 10%
- Liner: Non-adhesive polyester 100µm

### SUITABLE FABRICS

- Cotton
  - Polyester
  - Poly-cotton
  - Polyester / Acrylic
  - Elastane
  - Nylon\*
  - Temperature Sensitive Fabrics\*
- \* We recommend to test for suitability

### OTHER SUBSTRATES

- Smooth Wood
- Leather
- Cardboard
- Glass

### TRANSFER CONDITIONS

#### Standard fabrics

- |   |   |   |
|---|---|---|
|  5 sec. |  130°C |  2,5 – 3 bar |
| 4 sec.  | 150°C   | MEDIUM  |
| 3 sec.  | 160°C   | pressure  |

#### Nylon fabrics

- |   |   |   |
|---|---|---|
|  5 sec. |  150°C |  2 bar |
| + 5 sec.  |   | LOW   |
| + 10 sec.   |   | Pressure  |

Pre Heat the fabric for 5 sec. / Apply to the nylon fabric for 5 sec. before removing the liner / Cover the transfer with silicon paper and apply for further 10 sec.

**When applied with a Crafters Hand Heat Press, slightly adapting time and pressure might be necessity**

### PRINTABILITY

TURBO PRINT 4046 MATT NON-ADHESIVE is compatible with all current printers using (eco)-solvent, solvent and latex inks. This product offers a high print resolution with a gloss finish and has a pleasant soft textile touch. Due to a special top coat, the film has an excellent washing-resistance. Printing: true sided  
Make sure the inks are completely dry before cutting it.

### PROCESSING

This product can be cut with all current plotters.



45°



Luke warm

Due to a newly developed, non-adhesive PET film liner, even small letters and motifs can be easily cut by all current CAD/CAM plotters after the printing process.

We recommend using POLI-TACK 854/870 as a transfer tape and as a protection cover during the heat transfer.

### WASHABILITY



60°C



Tumble  
Dryer  
up to 100°C

Wait 24 hours after heat pressing before washing the fabric / Wash inside out

### CERTIFICATES



STANDARD  
100  
D22-2125  
Hohenstein HTTI



Product class 1  
Includes products for babies

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.

## TURBO® PRINT 4046 MATT NON-ADHESIVE

**ENERGY SAVING** When working at 130 °C with TURBO® adhesives you save respectively up to 35% and 50% energy for heating up and maintaining the press at temperature. Want to know more about energy savings with TURBO®?



**FAST TRANSFER | 5 SECONDS**

**LOW TEMPERATURE | 130°C**

**ANTI-SUBLIMATION PROPERTIES** Working at 130 °C | 5 sec. prevents the migration of sublimation inks

**GOOD STRETCH PROPERTIES**

**VERY GOOD OPACITY**

**CAN BE CUT WITH LASER DEVICES**

### CHARACTERISTICS

- Excellent cutting and weeding
- Non-adhesive liner for easy handling
- No scorch or press marks
- Suitable for light and dark fabrics
- Soft, pleasant textile touch
- Excellent wash resistance at 60 °C
- Integrates perfectly in your workflow whatever the temperature or handling process
- Free of: PVC, plasticizers, heavy metal and formaldehyde
- The raw materials are ecologically inert in accordance with OEKO-TEX STANDARD 100 Class I



**HEAT TRANSFER FILM CATALOGUE**



**CONTACT POLI-TAPE**

### RECOMMENDATIONS

**Before cutting**, a cutting test is always recommended, especially when using a new roll for adapting the cutting depth.

**Highly structured cotton or cotton mixture fabrics:** adjust the application time.

**Secure and long-lasting bond** is only given when following the specified temperature and pressure conditions.

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.

**Storage** at room temperature (15-25 °C / 59-77 °F) air humidity of 50-60%.

We recommend the rolls be stored either standing vertically or in purposely designed hanging racks.

### 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.

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](http://www.poli-tape.de/safety).

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