

POLI-TAPE®

POLI-FLEX® TURBO

With a huge range of 69 colors, in different finishes, **POLI-FLEX® TURBO** ticks all the boxes on almost all fabrics and for all type of usages. Not only fast to apply and very easy to use, TURBO® films are helping to save energy and reduce your costs. While its popular use is on delicate fabrics, due to an application temperature of 265°C at a press time of 5 seconds, TURBO can also be applied at 320°F in only 3 seconds. This would make a huge difference to your workflow. The end users will love the unique matte finish of the standard colors and the very long term and high-end quality textile decoration that will keep forever its initial color and properties, even when exposed to tough washing and drying conditions.

CONSTRUCTION

- Base Material: Cast Polyurethane Film
- Adhesive: Co-Polyester Hotmelt
- Liner: Adhesive polyester 100µm
- Thickness: Standard colors: 3.9mil/100µm ± 20%
Neon colors: 4.7mil/120µm ± 10%
Metallic colors: 4.5mil/ 115µm ± 10%
Bright colors: 4.3mil/110µm ± 10%

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.	 265°F 130°C	 44 PSI
4 sec.	300°F 150°C	MEDIUM
3 sec.	320°F 160°C	PRESSURE

Nylon fabrics

 5 sec.	 300°F 150°C	 29 PSI
+ 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 necessary

CERTIFICATES



STANDARD
100
D22-2125
Hohenstein HTTI

Product class 1
includes products for babies



PROCESSING

This product can be cut with all current plotters.



45°



luke warm
warm or cold

only NEON colors
all other colors

Material:
Pressure:
Blade:
Speed:

Cricut
Vinyl
Default
Fine-Point

Silhouette
HTV, Smooth
6
3
8

Every blade and machine is a little bit different- always test cut. These cut settings are a starting point to be adjusted to your blade and machine.

Layering: STANDARD colors can be layered up to 5 layers. NEON, METALLIC and BRIGHT colors should only be used as top layer. Press the final, top layer at 265°F for 10 sec. and remove the PET liner cooler than usual.

Minimum cutting size 1 mm (also depending on the font)

WASHABILITY



60°C



Tumble
Dryer
up to 212°F



Dry
Cleaning

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

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.

POLI-TAPE®

POLI-FLEX® TURBO®

ENERGY SAVING When working at 265°F 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 | 265°F

ANTI-SUBLIMATION PROPERTIES Working at 265°F | 5 sec. prevents the migration of sublimation inks

GOOD STRETCH PROPERTIES

CAN BE CUT WITH LASER DEVICES

CHARACTERISTICS

- Excellent cutting and weeding
- Liner with high adhesion for safe positioning
- 4-4.5mil for very good opacity
- No scorch or press marks
- Soft, pleasant textile touch
- 69 colors / 3 finishes
- Several layers are stackable
- Excellent wash resistance at 60 °C
- Integrates perfectly in your workflow whatever the temperature or handling process



COLOR CARD

COLOR REFERENCE GUIDE

POLITAPE.US WEBSITE

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 general product safety from the European Parliament can be found at www.poli-tape.de/safety.

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