



Gerber Heat Transfer Plus Graphics Film

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DESCRIPTION

Gerber Heat Transfer Plus Graphics Film is a thin, thermally-printable, white, opaque flex material designed for printing on the GERBER EDGE®, GERBER EDGE 2, and GERBER EDGE FX™ thermal-transfer printers using standard GerberColor™ Spot, Process Pro™ and Medal foils. This product can be contour cut into small shapes (because of the polyester backing) and offers excellent image quality and washability on a wide variety of fabrics – not just standard substrates such as cotton and polyester, but also substrates that would otherwise be more difficult to bond to, such as blended textiles.

SPECIFICATIONS

Property	Description
Film Color	White opaque, satin finish
Thickness	2.8/3 mils – 70/80 microns
Adhesive	Thermally activated
Liner	Polyester
Transfer time & temperature	Consult Application Instructions
Washability	Up to 140°F (60°C) inside out; do not tumble dry and iron inside out
Application tape	Gerber Heat Transfer Tape 12" x 20 yard P84936A
Cutting recommendation	45° knife, reduced plotter force for enVision™ plotters
Shelf life	2 years, 68°F (20°C) / 50% humidity

Technical specifications are subject to change without prior notice. Output may vary depending on the type of print data/file, application, media, environmental conditions, print speed or other variables. The specifications and information on physical and chemical characteristics is based upon testing believed to be reliable. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for its specific use.

Available in:

- 15" X 10 yard
- 15" X 25 yard

PRINTING

Use Gerber Heat Transfer Plus Film settings when printing with the GERBER EDGE, GERBER EDGE 2, or GERBER EDGE FX thermal transfer printing systems.

GerberColor™ Spot (GCS), GerberColor Process Pro™ CMYK (GCP), GerberColor Transparent (GCT) and Gerber Color Medal (GCM) Series Foils can be used to print onto Gerber Heat Transfer Plus Film.

Gerber Heat Transfer Tape (P84936A) is recommended to be used as the transfer carrier for all printed graphics.

Recommended working environment is as follows:

- Operating temperature: 50°F to 95°F / 10°C to 35°C
- Recommended temperature for assured printing accuracy: 68°F to 78°F / 20°C to 26°C
- Operating humidity: 20% to 90% relative humidity, non-condensing (maximum range; actual range varies by material used)

Select "Gerber Heat Transfer Plus" for the media to print with in Composer or OmegaPlot. Print with the Gerber Edge series printers in 300 dpi. 1200 dpi is not recommended for Gerber Heat Transfer Plus material.

CONTOUR CUTTING

DO NOT USE DEFAULT SETTINGS. You MUST change the settings and set a new default before cutting.

Contour cutting can be done after printing and you can cut into the printed areas of the graphic for a more detailed transfer. Heat Transfer Plus should be cut with a 45 degree "sharp" blade at approximately 3 to 4 oz of down force. A test cut prior to production is recommended. Cut speed of 15 to 18 in./sec. should work for most applications. We recommend that you always do a test cut before starting production. A dull blade will make for more difficult weeding and transferring of a graphic. Once you find a setting that works for you we recommend you go into plotter settings and click on "Set Default" This will make your settings the default so you will always start with these settings.

DO NOT USE FACTORY DEFAULT SETTINGS as the force will be too high and cut into the liner.

APPLICATION INSTRUCTIONS

Procedure for masking and peeling of graphics from the carrier as follows:

1. We recommend waiting at least 1 minute before applying the Gerber Heat Transfer Tape.
2. For best results, apply the transfer tape and allow 30 minute's dwell time for the transfer tape to increase bond. Adhesives build over time. See item 3 for removing graphic from its carrier film.
3. Before peeling the graphic, re-squeegee the graphic firmly, then with the graphic laying on the table "image facing up" lift the transfer tape up and away from the liner / carrier. If the transfer tape picks the graphic up at 30 minutes dwell time, you can shorten the waiting period.

Heat Transfer, Option 1:

With the image facing up, peel the transfer away from the liner / carrier. Pre-Heat textile for 3-5 seconds. Apply the graphic to the textile and press for 17-20 seconds at 265°F / 130°C with medium high pressure. Then after 5 sec. remove the Gerber Heat Transfer Tape using a hot peel. Washing resistance up to 104°F / 40°C.

For Polyester textiles, Press for 10 – 12 seconds.

Heat Transfer, Option 2:

Alternate pressing method which can provide higher washing resistance, up to 140°F / 60°C. With the image facing up, Pre-Heat textile for 3-5 seconds. Peel transfer away from the liner / carrier. Apply graphic to the textile and press for 7-10 seconds at 265°F / 130°C, medium high pressure. After 5 sec. remove the Gerber Heat Transfer tape using a hot peel. Do a second pressing without the transfer tape for 5-7 seconds at 265°F / 130°C.

Heat Transfer, Option 3: Non-Washables:

With the image facing up, Heat setting at low temperatures may be possible, as low as 225F - 240F / , for 10 seconds plus or minus, Hot / Warm Peel (Testing Recommended).

Garment Care:

Wait 24 hours before first washing, wash & dry garment inside out, machine wash & dry at low temperatures. See "Wash Resistance" specification. Use mild detergents. No Chlorine. We do not recommend Dry Cleaning.

Store Heat Transfer Plus Materials in a cool and dry place; protect against the influence of light when stored. We recommend not exceeding a storage period of 24 months. Due to the variety of possible influences / exposure outside of our control, to include processing / use, all specifications should be viewed as reference values. We recommend a suitability test to the material before a production. Technical specifications rest on extensive tests and technical research, however, a legally binding warranty of specific characteristics and or performance cannot be provided.

Quick Reference Guide

Print settings:

- Select Gerber Heat Transfer Plus media at 300dpi

Cutting Conditions:

- Change factory default settings before cutting. *media will be damaged if you don't
- Blade: Relief angle 45°
- Blade pressure, med., 3-4 oz of down force. Test cuts recommended
- Cutting Speed: ≈18 inchs/s

Transfer Tape:

- Gerber Heat Transfer tape recommended
- Available size 12"x 20 yard P84936A

Heat Settings, Pre & Post:

- 104F Pre & Post heat recommended

Suitable Textiles:

- Cotton, cotton / polyester & blended textiles. Not suitable for Nylon or heavily coated textiles

Transfer, Option 1: Washing resistance, 104°F / 40°C

- Pre-heat textile for 3-5 seconds
- Temperature: 265°F / 130°C
- Press Time: 17 sec. to 20 sec.
- Pressure: medium high
- Wait 5 sec. Hot peel the transfer tape

Transfer, Option 2: Washing resistance of 140°F / 60°C

- Pre-heat textile for 3-5 seconds
- Temperature: 265°F / 130°C
- Time: 7 to 10 sec.
- Pressure: medium high
- Wait 5 sec. Hot peel the transfer tape
- Do a second pressing without the transfer tape for 5-7 Sec.

Heat Transfer, Option 3: Non- Washables Testing recommended

- Temperature: 225F- 240F
- Press Time: 10 Seconds
- Pressure: medium
- Hot/Warm peel
- Testing recommended

RELATED LITERATURE

Refer to Product Bulletins of relevant foils and materials for product-specific handling, production, and finishing information.

CONTACT INFORMATION

For help with questions concerning Gerber products, please call your distributor or Gerber Customer Service at 1-800-222-7446 or (860) 644-1551. Visit us on the Internet at www.gerberotechnology.com/sign-graphics to learn more about our many other foils, materials and equipment.

When sold by Gerber, use only the corresponding Gerber Product Bulletin to determine product details, including but not limited to appropriate uses, warranty and processing.

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