



EDGE Positive™

DESCRIPTION.....	1
INTENDED APPLICATIONS	1
EXPOSURE TECHNIQUES	1
PERFORMANCE LIFE (PRINTED)	1
PRINTING	2
CUTTING	2
SHELF LIFE AND STORAGE	2
MAINTENANCE	2
PHYSICAL PROPERTIES.....	2
RELATED LITERATURE.....	2
CONTACT INFORMATION	2

DESCRIPTION

EDGE Positive is a crystal-clear, 7-mil, polyester-based film with a custom-formulated top coat designed for use with the GERBER EDGE®, GERBER EDGE 2®, and GERBER EDGE FX™ thermal transfer printing systems, in conjunction with GerberColor™ Spot Black (GCS-12) and Jet Black (GCX-12) Foils.

INTENDED APPLICATIONS

EDGE Positive has been designed to produce screen-ready film positives from computer-designed, scanned, or imported layouts. EDGE Positive can also be used for photo-polymer layouts, overhead projected mechanicals, and transparencies for patterns and pounce design.

EXPOSURE TECHNIQUES

When printed with GerberColor Spot Black (GCS-12), EDGE Positive images will have a U.V. density of greater than 2.0. When printed with GerberColor Jet Black (GCX-12), EDGE Positive images will have a U.V. density of greater than 3.5. The unprinted U.V. density of EDGE Positive is less than 0.25.

The necessary exposure time is dependent upon the screen emulsion and light source used. As a guideline, a 300-second exposure would be sufficient if a 1500-watt mercury halide lamp is used with a 160-mesh screen and a standard Diazo-based emulsion.

PERFORMANCE LIFE (PRINTED)

Images printed on EDGE Positive have an expected performance life of up to three years when not subjected to screen exposures. Printed images provide suitable U.V. density for 175 minutes of accumulated exposure to a 1500-watt mercury halide lamp.

PRINTING

EDGE Positive has been designed to work with GerberColor Spot Black and Jet Black Foils only. EDGE Positive is rolled and shipped with the print-receptive side out.

EDGE Positive is susceptible to static build up and small particles will be attracted to its print surface. Optimal results is achieved by wiping down the material with distilled water and a lint-free cloth prior to printing. Be certain that the surface is completely dry before printing begins.

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)

CUTTING

The construction of EDGE Positive is not conducive to cutting with electronic cutting equipment. If necessary, cutting of EDGE Positive can be achieved manually by using a straight edge and razor or a pair of scissors.

SHELF LIFE AND STORAGE

EDGE Positive (unprinted) can be stored for one year at a maintained temperature at 75°F (24°C) and 50% relative humidity.

Printed screen positives should be stored flat with a paper interleaf between layers. Printed and unprinted EDGE Positive should be stored out of direct sunlight. Store EDGE Positive away from screen cleaners, degreasers, and alcohol-based solvents. These compounds will damage printed images and unprinted film.

MAINTENANCE

To clean printed or unprinted EDGE Positive, use distilled water and a soft cloth. Avoid using alcohol-based cleansers.

PHYSICAL PROPERTIES

Thickness	7 mil
Film Color	Clear

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.gspinc.com to learn more about our many other foils, materials and equipment.

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