

MAGIC® APPLICATIONS GUIDE

GFBL5AZ

5 mil Polyester Film



MAGIC® GFBL5AZ is a 5 mil polyester film for use in Rastergraphics Arizona grand format printing systems. GFBL5AZ is a backlit film recommended as a front printing and viewing film where high density can be achieved. It is ideal for backlit signage applications, and provides maximum transmitted and reflected ink density, ensuring vivid color and high image resolution. GFBL5AZ can also be used in backprint applications in cases where the display surface will not be protected by Plexiglas and will be exposed to repeated contact.

PHYSICAL PROPERTIES

Caliper	.58 mils (148 microns)
Outdoor Durability	.3 months unlaminated
Opacity	.58 (+/-5)
Gloss of Print Side (75°)	2.9
Gloss of Film Side (75°)	.102
Whiteness (white backing)	.60
Optimum Printing Environment	.70°F (30-70% RH)
Recommended Printing Devices	.Arizona
Roll Size	.54" x 100'

APPLICATIONS GUIDELINES

- Imaging:** The print side is the matte side and is wound to the inside of the roll. If GFBL5AZ is being used in a backprint application where the display surface will not be protected, the print needs to be printed in reverse (mirror image) and viewed from the gloss side. Expect lower density results when used in backprint applications.
- Printer Settings:** To optimize print quality, printers should be set for highest print quality. The maximum ink saturation level is 350%. Heater should be set to 140°F. Excessive heat may cause film to deform.
- Compatibility:** GFBL5AZ is compatible with Rastergraphics Arizona printing systems that are equipped with solvent-based piezo inks.
- Waterfastness:** Solvent pigmented inks have excellent water resistance when used in conjunction with GFBL5AZ. Lamination with encapsulation is the best way to ensure complete waterfastness.

FINISHING RECOMMENDATIONS

- Image Protection:** Print an image on the matte side of the product and sandwich between two layers of Plexiglas for image protection. When the product is being used as a backprint, print in mirror image and view from the glossy side. This protects the inks imaged on the surface in the light box, exposing the durable polyester film surface to the outside elements.
- Lighting:** To optimize image appearance, the image should be back illuminated, as transmitted light yields the desired ink densities. Viewing with reflected light yields only slightly lower ink saturation than with transmitted light.

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