

# TECHNICAL DATA SHEET

## GF RAINBOW CUT & CRAFT FILM

6.0 MIL HOLOGRAPHIC FILM  
 CLEAR PERMANENT ADHESIVE

GF Rainbow Holographic is a 6.0 mil holographic film coated with a permanent acrylic pressure sensitive adhesive on a 90# layflat liner. The 90# liner provides excellent dimensional stability for digital printing. GF Rainbow Holographic accepts a variety of solvent-based, eco-solvent, latex and UV curable inks common to wide format digital printing systems.

PRODUCT NAME	RAINBOW
<b>FILM</b>	
Film Type	Holographic Film
Film Thickness (mils/ $\mu$ m)	6.0 / 152 (+/- 10%)
Film Weight (gsm)	190
Gloss (60°)	$\geq$ 70
Opacity (%)	99
Tensile Strength (lbs/in)	N/A
Elongation (%)	N/A
Dimensional Stability (FTM 14)	MD $\leq$ 1.00 mm / CD $\leq$ 1.00 mm
<b>ADHESIVE</b>	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/ $\mu$ m)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.2 / 9.6
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	3.8 / 17
<b>LINER</b>	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-side PE-Coated Kraft
Liner Thickness (mils/ $\mu$ m)	6.7 / 170
Release Force @ 360" / min (g/2")	70-100
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	$\geq$ +50 °F
Service Temperature	-40 °F to 200 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 6 months

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## GF RAINBOW - 6.0 MIL HOLOGRAPHIC METALLIZED POLYESTER CLEAR PERMANENT ADHESIVE

PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<p><b>APPLICATION</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> WET APPLY</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input type="radio"/> HOT STAMP</li> <li><input type="radio"/> DIE CUTTABLE</li> <li><input type="radio"/> HOT KNIFE</li> <li><input type="radio"/> THERMAL DIE</li> <li><input checked="" type="radio"/> FLATBED CUTTABLE</li> <li><input checked="" type="radio"/> CONTOUR CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> POP/RETAIL</li> <li><input type="radio"/> WALL</li> <li><input type="radio"/> WRAP</li> <li><input type="radio"/> WINDOW</li> <li><input type="radio"/> FLOOR</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input type="radio"/> FLEET</li> <li><input checked="" type="radio"/> INDOOR</li> <li><input checked="" type="radio"/> OUTDOOR (SHORT TERM)</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> SOLVENT</li> <li><input checked="" type="radio"/> ECO-SOLVENT</li> <li><input checked="" type="radio"/> LATEX</li> <li><input checked="" type="radio"/> UV CURABLE</li> <li><input type="radio"/> THERMAL</li> <li><input checked="" type="radio"/> SCREEN</li> <li><input type="radio"/> OFFSET</li> </ul>
<p><b>SUBSTRATES</b></p> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> OEM PAINTED METAL</li> <li><input checked="" type="radio"/> GLASS</li> <li><input checked="" type="radio"/> POLYESTER</li> <li><input type="radio"/> LOW-ENERGY SURFACES</li> <li><input checked="" type="radio"/> ACRYLIC</li> <li><input type="radio"/> PVC</li> </ul>		

### FAQS

Does the film have any shim lines like I see on other holographic materials?	Yes, the 60" wide rolls contain a shim line at 30" in machine direction (center of the roll), and a lighter repeating line every 12" running across the width of the roll.
Why are there lines on the material?	In order to get the holographic look on the film, it needs to go through an embossing step. This is typically done using a round cylinder, and the line--called a 'shim line'--is the place where the embossing plate joins and leaves a visible line on the material.
What are some recommended uses for GF Rainbow?	This Rainbow Holographic film is great for printing stickers and decals, whether for use in packaging, marketing, or whatever you can dream up!