

# TECHNICAL DATA SHEET

## GF 851 CUT & CRAFT VINYL

### 3.4 MIL MATTE YELLOW VINYL CLEAR REMOVABLE ADHESIVE

GF 851 Yellow Paint Mask vinyl is a 3.4 mil matte yellow vinyl coated with a removable acrylic pressure-sensitive adhesive on a 78# clay coated liner. The vinyl is formulated for ease of cutting while retaining resistance to common solvents encountered in typical spray paints and automotive finishes. In combination with the removable acrylic adhesive this product has the tack to withstand edge lifting in normal painting processes while removing cleanly after the paint has dried. The 78# bleached kraft liner provides an excellent base for plotter cut graphics and home craft applications.

PRODUCT NAME	851
<b>FILM</b>	
Film Type	Yellow Polymeric Vinyl
Film Thickness (mils/ $\mu$ m)	3.4 / 86 (+/- 10%)
Film Weight (gsm)	120
Gloss (60°)	$\leq$ 20
Opacity (%)	96
Tensile Strength (lbs/in)	MD $\geq$ 3200 / CD $\geq$ 2600
Elongation (%)	MD $\geq$ 90 / CD $\geq$ 150
Dimensional Stability (FTM 14)	MD $\leq$ 0.20 mm / CD $\leq$ 0.10 mm
<b>ADHESIVE</b>	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/ $\mu$ m)	0.7-0.9 / 18-23
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	0.3-0.8 / 1.3-3.5
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	0.7-1.0 / 3.1-4.4
<b>LINER</b>	
Liner Weight (#/gsm)	78 / 127
Liner Type	White Clay Coated Kraft
Liner Thickness (mils/ $\mu$ m)	4.5 / 114
Release Force @ 360" / min (g/2")	40-60
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	Room Temperature
Service Temperature	N/A
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Not formulated for exterior usage

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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 checked="" 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 type="radio"/> CONTOUR CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li><input 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 checked="" type="radio"/> PAINT MASK</li> <li><input type="radio"/> GENERAL SIGNAGE</li> <li><input type="radio"/> OUTDOOR</li> </ul>	<ul style="list-style-type: none"> <li><input type="radio"/> SOLVENT</li> <li><input type="radio"/> ECO-SOLVENT</li> <li><input type="radio"/> LATEX</li> <li><input type="radio"/> UV CURABLE</li> <li><input type="radio"/> SCREEN</li> <li><input type="radio"/> OFFSET</li> <li><input checked="" type="radio"/> THERMAL TRANSFER</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"/> SMOOTH SURFACES</li> <li><input checked="" type="radio"/> ACRYLIC</li> </ul>		

### FAQ

What types of transfer tape should I use with GF 851?	In most instances a medium tack application tape should work, such as TransferRite® 6582. For multiple color alignments, we would recommend using a frosted matte tape such as TransferRite® 1510 or a clear tape such as TransferRite® Ultra® 1310 Clear.
What is a typical use for GF 851 Paint Mask film?	Paint Mask films are often used to mask off the first color coat when painting accents or decals using a second or third color. These base colors must be thoroughly dried and cured before the Paint Mask film is applied. All paints vary to some degree and this product must be tested in the specific process before production.
Are there other uses apart from automotive painting?	Yes! GF 851 Paint Mask can be used as a stencil for things like creating floor graphics in gymnasiums, decorative painting or etching with craft projects, or branding mesh fencing for tennis courts and construction sites.
I want to heat cure my paint; What is the recommended bake cycle for GF 851?	The product is designed for low bake cycles up to 110°F, though it may handle higher temperatures based on your individual settings. As with the adhesive, it is recommended that you test thoroughly before production.