

# TECHNICAL DATA SHEET

## GF 838 CUT & CRAFT FILM

2.0 MIL BRUSHED SILVER METALLIZED POLYESTER  
CLEAR PERMANENT ADHESIVE

GF 838 is a 2.0 mil print receptive brushed silver metallized polyester film with a permanent acrylic pressure sensitive adhesive designed for sign cutting machines. These polyester films will accept certain inks and thermal ribbons used in the graphics industry (test for your specific uses). This product is ideal for Architectural Signage, Commercial or Retail Signage and POP Graphics. The acrylic adhesive offers a balance of tack and holding power for most general-purpose applications.

PRODUCT NAME	838
<b>FILM</b>	
Film Type	Metallized Polyester
Film Thickness (mils/ $\mu$ m)	2.0 / 51 (+/- 10%)
Film Weight (gsm)	70
Gloss (60°)	$\geq$ 90
Opacity (%)	99
Tensile Strength (lbs/in)	N/A
Elongation (%)	N/A
Dimensional Stability (FTM 14)	MD $\leq$ 0.00 mm / CD $\leq$ 0.00 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	2.9 / 13
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.5 / 20
<b>LINER</b>	
Liner Weight (#/gsm)	78 / 127
Liner Type	White Clay Coated Kraft
Liner Thickness (mils/ $\mu$ m)	4.5 / 114
Release Force @ 300" / min (g/2")	30-70
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	$\geq$ +40 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 2 years
Removability	N/A

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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 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"/> OUTDOOR (SHORT TERM)</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 checked="" type="radio"/> UV CURABLE</li> <li><input checked="" 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

What are the best applications for GF 838?	Brushed metallized polyester films are recommended to simulate metallic finishes. These products can be used for architectural signage, commercial-retail signage, point-of-purchase graphics, product identification markings and decals. If these films are printed the inks must be tested prior to production for compatibility and adhesion.
Is this available in 15" punched rolls for my plotter/cutter?	Yes! The bulk film is available up to 54" and GF produces 15" x 150" punched rolls of this product as standard.