

# TECHNICAL DATA SHEET

## GF 247 PRINT-N-LAM™

3.0 MIL GLOSS CLEAR UV VINYL  
CLEAR PERMANENT ADHESIVE

GF 247 Print-n-Lam™ is a 3.0 mil Gloss Clear UV Polymeric Vinyl with clear permanent adhesive on a 90# layflat liner. GF 247 is designed to accept a variety of solvent, latex and UV curable inks common to wide format digital printing systems. It is specifically engineered for use in general signage, windows, and decal applications. GF 247 is ideal for printing or flat laminating.

PRODUCT NAME	247
<b>FILM</b>	
Film Type	Clear Polymeric Vinyl
Film Thickness (mils/μm)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	100
Gloss (60°)	≥70
Opacity (%)	N/A
Tensile Strength (psi)	MD ≥ 3500 / CD ≥ 3500
Elongation (%)	MD ≥ 180 / CD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 2.00 mm / CD ≤ 1.00 mm
<b>ADHESIVE</b>	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/μm)	0.8-1.1 / 20-28
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.2 / 14
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	5.0 / 22
<b>LINER</b>	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-sided PE-Coated Kraft
Liner Thickness (mils/μm)	6.7 / 170
Release Force @ 300" / min (g/2")	17
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	7 years

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<b>APPLICATION</b> <ul style="list-style-type: none"> <li>○ WET APPLY</li> <li>● DRY APPLY</li> <li>● LAMINATING</li> <li>○ MOUNTING</li> <li>● DIE CUTTABLE</li> <li>○ HOT STAMP</li> <li>○ THERMAL DIE</li> <li>● FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li>● POP/RETAIL</li> <li>○ WALL</li> <li>○ WRAP (FLAT)</li> <li>● WINDOW</li> <li>○ FLOOR</li> <li>○ TRANSLUCENT</li> <li>○ FLEET (AS A FLAT LAMINATE)</li> <li>● GENERAL SIGNAGE (FOR PRINT OR FLAT LAMINATE)</li> <li>● OUTDOOR</li> </ul>	<ul style="list-style-type: none"> <li>● SOLVENT</li> <li>● ECO-SOLVENT</li> <li>● LATEX</li> <li>● UV CURABLE</li> <li>○ SCREEN</li> <li>● OFFSET (UV CURABLE)</li> <li>○ OFFSET (CONVENTIONAL)</li> </ul>
<b>SUBSTRATES</b> <ul style="list-style-type: none"> <li>● OEM PAINTED METAL</li> <li>● PAINTED ALUMINUM</li> <li>● STAINLESS STEEL</li> <li>○ FIBERGLAS</li> <li>● ACRYLIC</li> </ul>		

FAQS	
Can I use GF 247 Print-n-Lam™ as a laminate?	GF 247 works equally well as a laminating film. If paired with GF 333 AutoMark™ DRIFT™ PW, it should be used only for flat/general signage. We do not recommend nor warrant GF 247 or GF 248 series to be paired with GF 333 for wraps or any vehicle or fleet application.
Can I wet apply GF 247 Print-n-Lam™?	It is possible, but since GF 247 is a water-based adhesive, there is the potential for temporary cloudiness when using commercial application fluids to apply this vinyl. The key is that the fluids needs to be squeegeed out as thoroughly as possible. What little moisture & fogginess that remains should then evaporate and dissipate in 24-48 hrs.
What applications are GF 247 Print-n-Lam™ good for?	For flat or general signage, commercial applications, point of purchase, and permanent windows.