

**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><input type="radio"/> WET APPLY</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input checked="" type="radio"/> LAMINATING</li> <li><input type="radio"/> MOUNTING</li> <li><input checked="" type="radio"/> DIE CUTTABLE</li> <li><input type="radio"/> HOT STAMP</li> <li><input type="radio"/> THERMAL DIE</li> <li><input checked="" type="radio"/> FLATBED CUTTABLE</li> </ul> | <ul style="list-style-type: none"> <li><input checked="" type="radio"/> POP/RETAIL</li> <li><input type="radio"/> WALL</li> <li><input type="radio"/> WRAP (FLAT)</li> <li><input checked="" type="radio"/> WINDOW</li> <li><input type="radio"/> FLOOR</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input type="radio"/> FLEET (AS A FLAT LAMINATE)</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE (FOR PRINT OR FLAT LAMINATE)</li> <li><input checked="" type="radio"/> OUTDOOR</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"/> SCREEN</li> <li><input checked="" type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul> |
| <b>SUBSTRATES</b> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> OEM PAINTED METAL</li> <li><input checked="" type="radio"/> PAINTED ALUMINUM</li> <li><input checked="" type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> FIBERGLAS</li> <li><input checked="" type="radio"/> 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 & foginess 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.  |