

# TECHNICAL DATA SHEET

## GF 201HTAPAE

### 3.4 MIL MATTE WHITE VINYL HIGH-TACK PERMANENT AIR-EGRESS ADHESIVE

GF 201HTAPAE is a 3.4 mil polymeric matte white calendered vinyl coated with a clear acrylic high-tack permanent adhesive (HTAP) with a 90# air egress layflat liner (AE). The 90# air-egress liner has excellent product layflat in a variety of ambient conditions along with ease of application of large format graphics. GF 201HTAPAE is ideal for exterior signage, decals, nameplates and point-of-purchase displays. It can be adhered to a variety of substrates such as metals, painted metals, smooth wood, plywood, primed MDO board and vinyl. It also works well on ABS, styrene, polyester, polycarbonate and smooth polyolefins. This vinyl is designed to accept a variety of solvent, eco-solvent, UV curable and latex digital inks common to wide format digital printing systems.

| PRODUCT NAME                                                | 201HTAPAE                         |
|-------------------------------------------------------------|-----------------------------------|
| <b>FILM</b>                                                 |                                   |
| Film Type                                                   | White Polymeric Vinyl             |
| Film Thickness (mils/μm)                                    | 3.4 / 86 (+/- 10%)                |
| Film Weight (gsm)                                           | 120                               |
| Gloss (60°)                                                 | ≤ 20                              |
| Opacity (%)                                                 | 93                                |
| Tensile Strength (lbs/in)                                   | MD ≥ 3000 / CD ≥ 2600             |
| Elongation (%)                                              | MD ≥ 90 / CD ≥ 150                |
| Dimensional Stability (FTM 14)                              | MD ≤ 0.60 mm / CD ≤ 0.20 mm       |
| <b>ADHESIVE</b>                                             |                                   |
| Adhesive Type                                               | Emulsion Acrylic                  |
| Adhesive Thickness (mils/μm)                                | 0.8-1.0 / 20-25                   |
| Adhesive Color                                              | Clear                             |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min | 3.5 / 15                          |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs | 3.8 / 17                          |
| Peel Strength on HDPE (lbs/in) / (N/25mm) 15 min            | 2.5 / 11                          |
| Peel Strength on HDPE (lbs/in) / (N/25mm) 24 hrs            | 2.8 / 12                          |
| <b>LINER</b>                                                |                                   |
| Liner Weight (#/gsm)                                        | 100 / 160                         |
| Liner Type                                                  | White PE-Coated Kraft, Air-Egress |
| Liner Thickness (mils/μm)                                   | 7.8 / 198                         |
| Release Force @ 300" / min (g/2")                           | 50-70                             |
| <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                                          | up to 5 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 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 checked="" 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"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> OUTDOOR (SHORT TERM)</li> <li><input checked="" type="radio"/> OUTDOOR (LONG 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 checked="" 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 checked="" type="radio"/> LOW-ENERGY SURFACES</li> <li><input checked="" type="radio"/> ACRYLIC</li> </ul>                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                           |

| FAQS                                            |                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What applications is GF 201HTAPAE intended for? | GF 201HTAPAE is ideal for exterior signage, decals, nameplates and point-of-purchase displays. It can be adhered to a variety of substrates such as metals, painted metals, smooth wood, plywood, primed MDO board and vinyl. It also works well on ABS, styrene, polyester, polycarbonate and smooth polyolefins. (NOTE: Air-Egress adhesives are DRY APPLY ONLY). |
| Can GF 201HTAPAE be removed?                    | GF 201HTAPAE has an aggressive high-tack adhesive that bond well to hard-to-stick to surfaces. This adhesive is permanent and will not remove cleanly.                                                                                                                                                                                                              |