

# TECHNICAL DATA SHEET

## GF 214

### 3.0 MIL MATTE WHITE VINYL CLEAR PERMANENT ADHESIVE

GF 214 is a 3.0 mil matte white vinyl with a permanent clear acrylic pressure sensitive adhesive on a 90# layflat liner. This vinyl film is designed to accept a variety of solvent, eco solvent, latex and UV curable inks common to wide format digital printing systems. This adhesive produces permanent bonds to a variety of common substrates used in graphics applications. The 90# lay flat liner provides excellent dimensional stability for printing and post processing.

| PRODUCT NAME  | 214                                   |
|---|---------------------------------------|
| <b>FILM</b>   |                                       |
| Film Type   | White Monomeric Vinyl                 |
| Film Thickness (mils/ $\mu$ m)                              | 3.0 / 76 (+/- 10%)                    |
| Film Weight (gsm)   | 105                                   |
| Gloss (60°)   | $\leq$ 30                             |
| Opacity (%)   | 92                                    |
| Tensile Strength (lbs/in)                                   | MD $\geq$ 4500 / CD $\geq$ 4000       |
| Elongation (%)  | MD $\geq$ 225 / CD $\geq$ 225         |
| Dimensional Stability (FTM 14)                              | MD $\leq$ 2.00 mm / CD $\leq$ 1.50 mm |
| <b>ADHESIVE</b>   |                                       |
| Adhesive Type   | Emulsion 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 | 3.7 / 16                              |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs | 5.2 / 23                              |
| <b>LINER</b>  |                                       |
| Liner Weight (#/gsm)  | 90 / 145                              |
| Liner Type  | White 2-Sided PE Coated Kraft         |
| Liner Thickness (mils/ $\mu$ m)                             | 6.7 / 170                             |
| Release Force @ 300" / min (g/2")                           | 90-140                                |
| <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 3 years                         |

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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"/> 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</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 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> |
| <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"/> PAINTED ALUMINUM</li> <li><input checked="" type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> LOW-ENERGY SURFACES</li> <li><input type="radio"/> ACRYLIC</li> <li><input type="radio"/> GLASS</li> <li><input type="radio"/> POLYESTER</li> </ul>                              |  |   |

### FAQS

|  |   |
|--|---|
| What applications are GF 214 intended for? | GF 214 is designed for interior or exterior signage, decals, nameplates, point-of-purchase displays and general signage.  |
| Can GF 214 be removed?                     | Most decals can be removed with some effort, even if they have a permanent adhesive. GF 214 has a standard permanent adhesive that works on a variety of surfaces. This adhesive is permanent and will not remove cleanly, but any adhesive transfer or residue can be cleaned up easily with standard adhesive removers. |