

# TECHNICAL DATA SHEET

## GF 2010PAE

### 3.4 MIL MATTE WHITE VINYL GREY PERMANENT OPAQUE ADHESIVE

GF 2010PAE is a 3.4 mil polymeric matte white flexible calendered PVC film coated with a grey permanent air-egress solvent pressure sensitive adhesive laminated to a 90# air-egress layflat liner. This film is designed to accept a variety of solvent-based inkjet and UV curable inks common to wide format digital printing systems. The grey adhesive creates a permanent bond to a variety of common substrates used in graphics applications. The 90# air-egress layflat liner offers excellent product layflat in a variety of ambient conditions along with ease of application of large format graphics.

PRODUCT NAME	2010PAE
<b>FILM</b>	
Film Type	White Polymeric Vinyl
Film Thickness (mils/ $\mu$ m)	3.4 / 86 (+/- 10%)
Film Weight (gsm)	120
Gloss (60°)	≤20
Opacity (%)	≥99
Tensile Strength (lbs/in)	MD ≥ 3000 / CD ≥ 2600
Elongation (%)	MD ≥ 90 / CD ≥ 150
Dimensional Stability (FTM 14)	MD ≤ 0.90 mm / CD ≤ 0.60 mm
<b>ADHESIVE</b>	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/ $\mu$ m)	0.8-1.1 / 20-28
Adhesive Color	Grey
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.5 / 11
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	3.8 / 17
<b>LINER</b>	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-Sided PE Coated Kraft Air-Egress
Liner Thickness (mils/ $\mu$ m)	7.0 / 180
Release Force @ 300" / min (g/2")	25-45
<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

# TECHNICAL DATA SHEET

## GF 201OPAE- 3.4 MIL MATTE WHITE VINYL GREY PERMANENT OPAQUE ADHESIVE

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 type="radio"/> DIE CUTTABLE</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 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 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 type="radio"/> LOW-ENERGY SURFACES</li> <li><input checked="" type="radio"/> ACRYLIC</li> <li><input type="radio"/> GLASS</li> </ul>		

### FAQS

What applications is GF 201OPAE intended for?	GF 201OPAE is designed for interior or exterior signage, decals, nameplates, point-of-purchase displays and added opacity with the grey opaque adhesive. The air-egress adhesive allows for bubble-free applications. (NOTE: Air-Egress adhesives are DRY APPLY ONLY).
Can GF 201OPAE be removed?	Most decals can be removed with some effort, even if they have a permanent adhesive. GF 201OPAE has a grey 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.
Do I need a special application tape to remove cut shapes and graphics from the 203OPAE?	Many application/transfer tapes will stick to the face of the vinyl. For transporting graphics we would recommend an tape that sticks to the exposed air-egress liner. A product like Transferite® AirMask® 510U is an example of this type of premask.