

# 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°)	$\leq 20$
Opacity (%)	$\geq 99$
Tensile Strength (lbs/in)	MD $\geq 3000$ / CD $\geq 2600$
Elongation (%)	MD $\geq 90$ / CD $\geq 150$
Dimensional Stability (FTM 14)	MD $\leq 0.90$ mm / CD $\leq 0.60$ 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	$\geq +40$ °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	up to 5 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>● FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li>● POP/RETAIL</li> <li>○ WALL</li> <li>○ WRAP</li> <li>○ WINDOW</li> <li>○ FLOOR</li> <li>○ TRANSLUCENT</li> <li>○ FLEET</li> <li>● GENERAL SIGNAGE</li> <li>○ OUTDOOR (SHORT TERM)</li> <li>● OUTDOOR (LONG TERM)</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>○ LOW-ENERGY SURFACES</li> <li>● ACRYLIC</li> <li>○ GLASS</li> </ul>		

### FAQS

What applications is GF 2010PAE intended for?	GF 2010PAE 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 2010PAE be removed?	Most decals can be removed with some effort, even if they have a permanent adhesive. GF 2010PAE 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 2030PAE?	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.