

# TECHNICAL DATA SHEET

## GF 205

### 3.0 MIL GLOSS CLEAR VINYL CLEAR PERMANENT ADHESIVE

GF 205 is a 3.0 mil gloss clear calendered vinyl coated with a clear permanent acrylic pressure sensitive adhesive laminated to a 90# layflat liner. This vinyl is designed to accept a variety of solvent-based, eco-solvent, latex and UV curable inks common to wide format digital printing systems. The clear adhesive creates a permanent bond to a variety of common substrates used in graphics applications. The 90# liner offers excellent product layflat in a variety of ambient conditions along with ease of application of large format graphics.

PRODUCT NAME	205
<b>FILM</b>	
Film Type	Clear Monomeric Vinyl
Film Thickness (mils/ $\mu$ m)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	98
Gloss (60°)	$\geq 80$
Opacity (%)	N/A
Tensile Strength (lbs/in)	MD $\geq 5000$ / CD $\geq 4000$
Elongation (%)	MD $\geq 200$ / CD $\geq 200$
Dimensional Stability (FTM 14)	MD $\leq 2.50$ mm / CD $\leq 2.00$ 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	3.8 / 17
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.8 / 21
<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")	50-100
<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	3 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 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 type="radio"/> LOW-ENERGY SURFACES</li> <li><input checked="" type="radio"/> ACRYLIC</li> <li><input type="radio"/> GLASS</li> <li><input type="radio"/> POLYESTER</li> </ul>		

### FAQS

What applications are 205 intended for?	GF 205 is designed for interior or exterior signage, decals, nameplates, point-of-purchase displays and general signage.
Can GF 205 be removed?	Most decals can be removed with some effort, even if they have a permanent adhesive. GF 205 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.
Is this product optically clear?	GF 205 has good clarity, but is not considered "optically clear".