

TECHNICAL DATA SHEET

GF 316

3.0 MIL GLOSS WHITE VINYL CLEAR PERMANENT ADHESIVE

GF 316 is a 3.0 mil gloss white flexible calendered VINYL film coated with a permanent clear acrylic pressure sensitive adhesive laminated to 90# lay flat 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 will provide excellent dimensional stability for printing and post processing.

PRODUCT NAME	316
FILM	
Film Type	White Monomeric Vinyl
Film Thickness (mils/ μ m)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	105
Gloss (60°)	≥ 70
Opacity (%)	92
Tensile Strength (lbs/in)	MD ≥ 4500 / CD ≥ 4000
Elongation (%)	MD ≥ 225 / CD ≥ 225
Dimensional Stability (FTM 14)	MD ≤ 2.00 mm / CD ≤ 1.50 mm
ADHESIVE	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/ μ 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
LINER	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-Sided PE Coated Kraft
Liner Thickness (mils/ μ m)	6.7 / 170
Release Force @ 300" / min (g/2")	90-140
PERFORMANCE GUIDANCE	
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>APPLICATION</p> <ul style="list-style-type: none"> <input type="radio"/> WET APPLY <input checked="" type="radio"/> DRY APPLY <input type="radio"/> LAMINATING <input type="radio"/> MOUNTING <input checked="" type="radio"/> DIE CUTTABLE <input type="radio"/> HOT STAMP <input type="radio"/> THERMAL DIE <input checked="" type="radio"/> FLATBED CUTTABLE 	<ul style="list-style-type: none"> <input checked="" type="radio"/> POP/RETAIL <input type="radio"/> WALL <input type="radio"/> WRAP <input type="radio"/> WINDOW <input type="radio"/> FLOOR <input type="radio"/> TRANSLUCENT <input type="radio"/> FLEET <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> OUTDOOR (SHORT TERM) <input type="radio"/> OUTDOOR (LONG TERM) 	<ul style="list-style-type: none"> <input checked="" type="radio"/> SOLVENT <input checked="" type="radio"/> ECO-SOLVENT <input checked="" type="radio"/> LATEX <input checked="" type="radio"/> UV CURABLE <input checked="" type="radio"/> SCREEN <input checked="" type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL)
<p>SUBSTRATES</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> OEM PAINTED METAL <input checked="" type="radio"/> PAINTED ALUMINUM <input checked="" type="radio"/> STAINLESS STEEL <input type="radio"/> LOW-ENERGY SURFACES <input type="radio"/> ACRYLIC <input type="radio"/> GLASS <input type="radio"/> POLYESTER 		

FAQS

What applications are GF 316 intended for?	GF 316 is designed for interior or exterior signage, decals, nameplates, point-of-purchase displays and general signage.
Can GF 316 be removed?	Most decals can be removed with some effort, even if they have a permanent adhesive. GF 316 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.