

**TECHNICAL
DATA
SHEET**

GF 242 OPTIMARK™ CAST

2.0 MIL GLOSS OPTICALLY CLEAR UV LAMINATE
OPTICALLY CLEAR PERMANENT ADHESIVE

GF 242 Cast Overlaminating film is a pressure sensitive vinyl with an optically clear, permanent, solvent-based adhesive on a polyester liner. This highly flexible gloss laminate provides protection against ultraviolet light exposure, moisture, and abrasions. GF 242 is designed specifically for perforated window films like GF 280 and is also recommended for GF 830, GF 270, GF 260 and GF 232 or applications where a high-quality cast clear laminate is required. Cold lamination is recommended for this film, but if heat assist is utilized, do not exceed 115° F.

PRODUCT NAME	242
FILM	
Film Type	Optically Clear Cast Vinyl
Film Thickness (mils/μm)	2.0 / 50 (+/- 10%)
Film Weight (gsm)	65
Gloss (60°)	≥90
Opacity (%)	N/A
Elongation (%)	MD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 0.35 mm
ADHESIVE	
Adhesive Type	Optically Clear Solvent Acrylic
Adhesive Thickness (mils/μm)	0.8-1.2 / 20-31
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.2 / 9.6
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.8 / 12
LINER	
Liner Weight (#/gsm)	43 / 70
Liner Type	Clear Frosted Polyester
Liner Thickness (mils/μm)	2.0 / 50
Release Force @ 300" / min (g/2")	15-45
PERFORMANCE GUIDANCE	
Application Temperature	≥ +50 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	2 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	7 years (vertical application - see zone1)

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION <input type="radio"/> WET APPLY (EXCEPT PERF) <input checked="" type="radio"/> DRY APPLY <input checked="" type="radio"/> LAMINATING <input type="radio"/> MOUNTING <input type="radio"/> DIE CUTTABLE <input type="radio"/> HOT STAMP <input type="radio"/> THERMAL DIE <input checked="" type="radio"/> FLATBED CUTTABLE	<input checked="" type="radio"/> POP/RETAIL <input checked="" type="radio"/> WALL <input checked="" type="radio"/> WRAP <input checked="" type="radio"/> WINDOW <input type="radio"/> FLOOR <input checked="" type="radio"/> TRANSLUCENT <input checked="" type="radio"/> FLEET <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> INDOOR <input checked="" type="radio"/> OUTDOOR	<input type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL) <input type="radio"/> UV CURABLE <input type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL)
SUBSTRATES <input type="radio"/> OEM PAINTED METAL <input type="radio"/> PAINTED ALUMINUM <input type="radio"/> STAINLESS STEEL <input type="radio"/> LOW-ENERGY SURFACES <input type="radio"/> ACRYLIC		RECOMMENDED DIGITAL FILM <input checked="" type="radio"/> GF 830 GLOSS WHITE CAST VINYL <input checked="" type="radio"/> GF 230 GLOSS WHITE VINYL <input checked="" type="radio"/> GF 333 GLOSS WHITE VINYL <input checked="" type="radio"/> GF 232 (50/50), GF 260 (60/40), GF 270 (70/30), & GF 280 (80/20) MATTE WHITE PERFORATED VINYL

FAQS

Can GF 242 laminate be used on any kind of vehicle graphics?	Yes. GF 242 not only works extremely well as a perforated vinyl over-laminate, it's high gloss finish and optically clear adhesive produces vibrant graphics for vehicle wraps as well. Compatible print films include GF 230, GF 246 & GF 333.
Can I use any other GF laminates on perforated graphics?	Yes, but for best visual acuity & safety, GF recommends using optically clear laminates for vehicle and store front perforated graphics.
After application of GF 242 to my perforated graphics, I see streaking and patterns in the laminate, what could be causing this?	This is most likely caused by the softer cast laminate being pushed into the perforations. Using a softer edged squeegee and less pressure will mitigate that effect. This is normal and will clear up in a matter of days. Using low heat can help to relax the GF 242 laminate as well.