

TECHNICAL DATA SHEET

GF 242 OPTIMARK™ CAST

50MIC 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 46° C.

PRODUCT NAME	242
FILM	
Film Type	Optically Clear Cast Vinyl
Film Thickness (mils/μm)	2.0 / 50
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	≥ +10 °C
Service Temperature	-40 °C to 82 °C
Shelf Life	2 year
Storage Temp / Rel. Humidity	21 °C / 50%
Outdoor Durability	7 years (vertical application - see zone1)

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION WET APPLY (EXCEPT PERF) <ul style="list-style-type: none"> • DRY APPLY • LAMINATING • MOUNTING • DIE CUTTABLE • HOT STAMP • THERMAL DIE • FLATBED CUTTABLE 	<ul style="list-style-type: none"> • POP/RETAIL • WALL • WRAP • WINDOW • FLOOR • TRANSLUCENT • FLEET • GENERAL SIGNAGE • INDOOR • OUTDOOR 	SCREEN OFFSET (UV CURABLE) OFFSET (CONVENTIONAL) UV CURABLE SCREEN OFFSET (UV CURABLE) OFFSET (CONVENTIONAL)
SUBSTRATES OEM PAINTED METAL PAINTED ALUMINUM STAINLESS STEEL LOW-ENERGY SURFACES ACRYLIC		RECOMMENDED DIGITAL FILM <ul style="list-style-type: none"> • GF 830 GLOSS WHITE CAST VINYL • GF 230 GLOSS WHITE VINYL • GF 333 GLOSS WHITE VINYL • GF 232 (50/50), GF 260 (60/40), GF 270 (70/30), & GF 280 (80/20) MATTE WHITE PERFORATED VINYL S

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.