

TECHNICAL DATA SHEET

GF 842 OPTIMARK™ CAST

2.0 MIL CAST CLEAR GLOSS LAMINATE
OPTICALLY CLEAR PERMANENT ADHESIVE

This is conceptual only. Actual values may vary upon full production scale up.

GF 842 OptiMark™ Cast Optically Clear Laminate is a 2.0 mil High Gloss Clear conformable lamination film with optically clear adhesive on a 2.0 mil PET matte backed liner. The glossy flexible laminate provides protection for graphics from UV radiation, moisture and abrasion. GF 842 OptiMark™ Cast Clear Laminate is specifically engineered for use in full vehicle wrap, fleet wrap, and perforated window film.

PRODUCT NAME	842
FILM	
Film Type	White Cast Vinyl
Film Thickness (mils/ μ m)	2.0 / 50 (+/- 10%)
Film Weight (gsm)	00
Gloss (60°)	\geq 90
Opacity (%)	N/A
Tensile Strength (lbs/in)	4.5
Elongation (%)	200 (average)
Dimensional Stability (FTM 14)	.13 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/ μ m)	1.0 / 25
Adhesive Color	Optically Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.0
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.5
LINER	
Liner Weight (#/gsm)	N/A
Liner Type	PET Matte Backed
Liner Thickness (mils)	2.0
Release Force @ 300" / min (g/2")	3.0 (Easy Release)
PERFORMANCE GUIDANCE	
Application Temperature	\geq +50 °F
Service Temperature	-50 °F to 200 °F
Shelf Life	3 years
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 9 years
CERTIFICATIONS & RATINGS	
Flammability	<ul style="list-style-type: none"> · ASTM E84 Class 1 or A (Rating Standard Test Method for Surface) · FR B1 European flame retardant

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<p>APPLICATION</p> <ul style="list-style-type: none"> <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 	<ul style="list-style-type: none"> <input checked="" type="radio"/> POP/RETAIL <input type="radio"/> WALL <input checked="" type="radio"/> WRAP <input checked="" type="radio"/> WINDOW <input type="radio"/> FLOOR <input type="radio"/> TRANSLUCENT <input checked="" type="radio"/> FLEET <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> INDOOR <input checked="" type="radio"/> OUTDOOR 	<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 type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL)
<p>SUBSTRATES</p> <ul style="list-style-type: none"> <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 		

FAQS

Can I use GF 842 Cast Clear Laminate for FULL car wraps?	Yes. This is a full wrap laminate that can be used for complex curves, deep channels, and false windows.
What are the main products that can be used with GF 842?	GF 842 is the recommended laminate for GF Cast films (GF 830 & GF 846) and perforated products (GF 232, GF 260, GF 261, GF 270, and GF 280).
Can I use heat when laminating the GF 842 to vinyl films?	GF 842 is a cold laminating film, however you may use up to 115 ° F (heat assist) to help the adhesive flow out in certain situations. Anything higher may cause the vinyl to stretch.