

TECHNICAL DATA SHEET

GF 242 OPTIMARK™ CAST

2.0 MIL GLOSS OPTICALLY CLEAR UV LAMINATE
OPTICALLY CLEAR PERMANENT ADHESIVE

GF 242 Optically Clear Laminate is a 2.0 mil Cast High Gloss film with clear solvent adhesive on a frosted polyester liner. This conformable laminate provides superior graphic protection from UV exposure, moisture, and abrasion. The GF 242 Optically film is designed to add protection over perforated window films like GF 232, 260, 270 and 280 Series films. GF 242 is also an excellent choice for full vehicle wraps, partial wraps, fleet graphics as well as long-term applications where a high-quality cast laminate is required.

| PRODUCT NAME | 242 |
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| 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 <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"> ● POP/RETAIL ● WALL ● WRAP ● WINDOW <input type="radio"/> FLOOR ● TRANSLUCENT ● FLEET ● GENERAL SIGNAGE ● INDOOR ● OUTDOOR | <ul style="list-style-type: none"> <input type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL) <input type="radio"/> UV CURABLE <input checked="" type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL) |
| SUBSTRATES <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 | | 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 |

FAQS

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| 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. |