

# TECHNICAL DATA SHEET

## GF 242

### 2.0 MIL GLOSS OPTICALLY CLEAR UV LAMINATE OPTICALLY CLEAR PERMANENT ADHESIVE

GF 242 Optically Clear Cast Overlaminating Film is a pressure sensitive vinyl with an optically clear permanent solvent pressure sensitive adhesive on a smooth frosted polyester liner. This glossy flexible vinyl affords protection to graphics from ultra violet radiation, moisture and abrasion. GF 242 is recommended as an overlay on GF 232, GF 260, GF 261, GF 270, and GF 280 perforated window films. GF 242 also works well for many other applications where a high-gloss finish is required. Cold laminating techniques are recommended when applying this film.

PRODUCT NAME	242
<b>FILM</b>	
Film Type	Optically Clear Polymeric Vinyl
Film Thickness (mils/ $\mu$ m)	2.0 / 51 (+/- 10%)
Film Weight (gsm)	65
Gloss (60°)	$\geq 90$
Opacity (%)	N/A
Tensile Strength (psi)	MD $\geq 3700$ / CD $\geq 3700$
Elongation (%)	MD $\geq 150$ / CD $\geq 150$
Dimensional Stability (FTM 14)	MD $\leq 0.15$ mm / CD $\leq 0.15$ mm
<b>ADHESIVE</b>	
Adhesive Type	Optically Clear Solvent Acrylic
Adhesive Thickness (mils/ $\mu$ m)	0.8-1.4 / 20-36
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.0-3.5 / 13-15
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	3.3-4.0 / 14-18
<b>LINER</b>	
Liner Weight (#/gsm)	43 / 70
Liner Type	Clear Frosted Polyester, Silicone Release
Liner Thickness (mils/ $\mu$ m)	4.0 / 102
Release Force @ 300" / min (g/2")	15-45
<b>PERFORMANCE GUIDANCE</b>	
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 5 years

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<p><b>APPLICATION</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> WET APPLY</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input checked="" type="radio"/> LAMINATING</li> <li><input type="radio"/> MOUNTING</li> <li><input checked="" type="radio"/> DIE CUTTABLE</li> <li><input type="radio"/> HOT STAMP</li> <li><input type="radio"/> THERMAL DIE</li> <li><input checked="" type="radio"/> FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li><input type="radio"/> POP/RETAIL</li> <li><input type="radio"/> WALL</li> <li><input checked="" type="radio"/> WRAP</li> <li><input checked="" type="radio"/> WINDOW</li> <li><input type="radio"/> FLOOR</li> <li><input checked="" type="radio"/> TRANSLUCENT</li> <li><input checked="" type="radio"/> TRANSIT</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> OUTDOOR (LONG TERM)</li> </ul>	<ul style="list-style-type: none"> <li><input type="radio"/> SOLVENT</li> <li><input type="radio"/> ECO-SOLVENT</li> <li><input type="radio"/> LATEX</li> <li><input type="radio"/> UV CURABLE</li> <li><input type="radio"/> SCREEN</li> <li><input type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul>
<p><b>SUBSTRATES</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> OEM PAINTED METAL</li> <li><input type="radio"/> PAINTED ALUMINUM</li> <li><input type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> FIBERGLAS</li> <li><input type="radio"/> ACRYLIC</li> </ul>		

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?	No. Not if you are using the laminate on the perforated graphics for the vehicle. The optical clarity is critical for allowing the driver to see clearly out of the vehicle. For store-front perforated graphics, you may want this clarity as well.
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.