GF 160

3.0 MIL GLOSS CLEAR LAMINATE
CLEAR PERMANENT ADHESIVE

GF 160 is a 3.0 mil gloss clear, printable vinyl laminate featuring a pressure-sensitive permanent acrylic adhesive, mounted on a smooth, 75# 2-sided poly-coated liner. With its gloss finish, it works well with various ink types, including solvent, latex, and UV-curable inks typically used in wide-format digital printing. GF 160 is ideal for both interior and short-term exterior applications. This calendered vinyl laminate provides outstanding protection against abrasion and moisture, making it perfect for cold laminating. GF 160 is an excellent choice for signage, windows, and decals, suitable for both printed and flat laminating applications.

PRODUCT NAME	160
FILM	
Film Type	Clear Monomeric Vinyl
Film Thickness (mils/µm)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	105
Gloss (60°)	≥70
Opacity (%)	N/A
Tensile Strength (lbs/in)	MD ≥ 3800 / CD ≥ 3500
Elongation (%)	MD ≥ 180 / CD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 3.5 mm / CD ≤ 2.0 mm
ADHESIVE	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/µm)	0.8-1.1 / 20-28
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.5 / 15
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	5.0 / 22
LINER	
Liner Weight (#/gsm)	75/ 120 (+/- 10%)
Liner Type	White 2-Sided Poly-Coated Kraft
Liner Thickness (mils/µm)	5.0 / 125
Release Force @ 300" / min (g/2")	40-90
PERFORMANCE GUIDANCE	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	3 years

*All values provided are typical averages intended for guidance only and should not be interpreted as product specifications or warranties.

TECHNICAL DATA SHEET

GF 160 - 3.0 MIL GLOSS CLEAR LAMINATE
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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION	● POP/RETAIL	● SOLVENT
○ WET APPLY	● WALL	● ECO-SOLVENT
● DRY APPLY	○ WRAP	● LATEX
● LAMINATING	● WINDOW (PERMANENT)	● UV CURABLE
○ MOUNTING	○ FLOOR	○ SCREEN
● DIE CUTTABLE	● TRANSLUCENT	● OFFSET (UV CURABLE)
○ HOT STAMP	● TRANSIT (FLAT/SIMPLE)	○ OFFSET (CONVENTIONAL)
○ THERMAL DIE	● GENERAL SIGNAGE	
● FLATBED CUTTABLE	● OUTDOOR	
SUBSTRATES		
○ OEM PAINTED METAL		
○ PAINTED ALUMINUM		
○ STAINLESS STEEL		
○ FIBERGLASS		
○ ACRYLIC		
● PRINTED GRAPHICS		

FAQS

Can GF 160 laminate be used on any kind of vehicle graphics?	No. GF 160 is ideal for flat or very slight curves. In the cases of vehicles, it is best to use a comformable, long-term laminate that matches the specifications of the wrap (print) vinyl used. GF 160 laminate is meant for applications where up to one year of durability is needed and is not meant to be stretched or to conform.
Will a Calendered laminate like GF 160 work on a Cast print vinyl?	No. You can apply a cast laminate to a calendered vinyl, but you should never put a calendered laminate on a cast vinyl. They must be of a similar construction so that over time they shrink at the same rate to avoid delamination.

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