

## DATA SHEET

## GF 118 MOUNTING FILM

1.0 MIL POLYESTER
CLEAR DOUBLE SIDED ADHESIVE

GF 118 is a double-coated pressure sensitive 1.0 mil clear polyester film with a permanent adhesive on one side and a removable adhesive on the other side. GF 118 is a two liner construction. One side has a 1.2 mil clear polyester liner printed with "Remove to Expose Adhesive" to identify the removable adhesive and allows the graphics to be viewed after lamination. The other side has a 1.5 mil clear polyester liner for added clarity and wet out (permanent adhesive side). This product is designed for laminating thin flexible plastic films and papers commonly found in graphics for temporary application to glass. GF 118 clear mounting film can be laminated by a cold laminating process without the addition of heat.

Clear Polyester  Film Thickness (mils / µm)  1.0 / 25.4  Film Weight (gsm)  32  Gloss (60°)  N/A  Opacity (%)  N/A  Dimensional Stability  ADHESIVE  Adhesive Type  Adhesive Type  Emulsion Acylic (both sides)  Adhesive Thickness (mils/µm)  0.8 to 1.0 / 20-25  Adhesive Olor  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.04-0.10 / 0.18-0.44   Perm. Side: 2.1 / 9.2  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  > +30 °F  Service Temperature  > +40 °F to 180 °F  Shelf Life  Storage Temp / Rel. Humidity  70 °F / 50%	PRODUCT NAME	118
1.0 / 25.4	FILM	
Film Weight (gsm)  Gloss (60°)  Opacity (%)  Dimensional Stability  AD HESIVE  Adhesive Type  Adhesive Type  Adhesive Thickness (mils/µm)  Adhesive Color  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Remov. Side: clear printed polyester   Perm. Side: clear polyester   Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  ≥+30 °F  Service Temperature  300" / Warr  Storage Temp / Rel. Humidity  70 °F / 50%	Film Type	Clear Polyester
Gloss (60°)  Opacity (%)  Dimensional Stability  AD HESIVE  Adhesive Type  Adhesive Type  Adhesive Color  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.04-0.10 / 0.18-0.44   Perm. Side: 2.1 / 9.2  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/μm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  2+30 °F  Shelf Life  1 year  Storage Temp / Rel. Humidity  70 °F / 50%	Film Thickness (mils / µm)	1.0 / 25.4
Opacity (%)  Dimensional Stability  AD HESIVE  Adhesive Type  Adhesive Thickness (mils/µm)  Adhesive Color  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Remov. Side: 1.2 / 30   Perm. Side: 20-30  PERFORMANCE GUIDANCE  Application Temperature  \$\geq \text{2+30 °F}\$  Service Temperature  \$\geq \text{40 °F to 180 °F}\$  Shelf Life  1 year  Storage Temp / Rel. Humidity	Film Weight (gsm)	32
Dimensional Stability  ADHESIVE  Adhesive Type  Emulsion Acylic (both sides)  0.8 to 1.0 / 20-25  Adhesive Color  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Type  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Remov. Side: clear printed polyester   Perm. Side: clear polyester Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  2+30 °F  Storage Temp / Rel. Humidity  70 °F / 50%	Gloss (60°)	N/A
ADHESIVE  Adhesive Type  Adhesive Thickness (mils/µm)  Adhesive Thickness (mils/µm)  Adhesive Color  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.02-0.08 / 0.09-0.35   Perm. Side: 1.0 / 4.4  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.05-0.15 / 0.22-0.66  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  -40 °F to 180 °F  Shelf Life  1 year  Storage Temp / Rel. Humidity  70 °F / 50%	Opacity (%)	N/A
Adhesive Type  Emulsion Acylic (both sides)  0.8 to 1.0 / 20-25  Adhesive Thickness (mils/µm)  O.8 to 1.0 / 20-25  Clear  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.04-0.10 / 0.18-0.44   Perm. Side: 2.1 / 9.2  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.05-0.15 / 0.22-0.66  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  \$\geq \text{+30 °F}\$  Service Temperature  \$\geq \text{-40 °F to 180 °F}\$  Storage Temp / Rel. Humidity  70 °F / 50%	Dimensional Stability	N/A
Adhesive Thickness (mils/µm)  Adhesive Color  Clear  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.04-0.10 / 0.18-0.44   Perm. Side: 2.1 / 9.2  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.05-0.15 / 0.22-0.66  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  >+40 °F to 180 °F  Shelf Life  1 year  Storage Temp / Rel. Humidity  70 °F / 50%	ADHESIVE	
Adhesive Color  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min  Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.04-0.10 / 0.18-0.44   Perm. Side: 2.1 / 9.2  Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Remov. Side: 0.05-0.15 / 0.22-0.66  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  PERFORMANCE GUIDANCE  Application Temperature  \$\geq \pmodermath{\text{2}} \pmodermath{\text{3}} \pmodermath{\text{5}} \pmodermath{\text{6}} \pmodermath{\text{5}} \pmodermath{\text{5}} \pmodermath{\text{5}} \pmodermath{\text{5}} \pmodermath{\text{5}} \pmodermath{\text{6}} \pmodermath{\text{5}} \pmodermath{\text{6}} \pmodermath{\text{5}} \tex	Adhesive Type	Emulsion Acylic (both sides)
Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs Peel Strength on Glass (lbf/in) / (N/25mm) 15 min Peel Strength on Glass (lbf/in) / (N/25mm) 15 min Peel Strength on Glass (lbf/in) / (N/25mm) 15 min Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs Peel Strength on Glass (lb	Adhesive Thickness (mils/µm)	0.8 to 1.0 / 20-25
Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 24 hrs Peel Strength on Glass (lbf/in) / (N/25mm) 15 min Peel Strength on Glass (lbf/in) / (N/25mm) 15 min Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs Remov. Side: 0.05-0.15 / 0.22-0.66  LINER Liner Thickness (mils/μm) Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38 Liner Type Release Force @ 300" / min (g/2") Remov. Side: 15-25   Perm. Side: 20-30  PERFORMANCE GUIDANCE Application Temperature  ≥+30 °F Service Temperature  -40 °F to 180 °F Shelf Life 1 year Storage Temp / Rel. Humidity  70 °F / 50%	Adhesive Color	Clear
Peel Strength on Glass (lbf/in) / (N/25mm) 15 min  Peel Strength on Glass (lbf/in) / (N/25mm) 24 hrs  Remov. Side: 0.05-0.15 / 0.22-0.66  Remov. Side: 0.05-0.15 / 0.22-0.66  LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  Remov. Side: 15-25   Perm. Side: 20-30  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  -40 °F to 180 °F  Shelf Life  1 year  Storage Temp / Rel. Humidity  70 °F / 50%	Peel Strength on Stainless Steel (lbf/in) / (N/25mm) 15 min	Remov. Side: 0.02-0.08 / 0.09-0.35   Perm. Side: 1.0 / 4.4
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LINER  Liner Thickness (mils/µm)  Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38  Liner Type  Remov. Side: clear printed polyester   Perm. Side: clear polyester  Release Force @ 300" / min (g/2")  Remov. Side: 15-25   Perm. Side: 20-30  PERFORMANCE GUIDANCE  Application Temperature  ≥+30 °F  Service Temperature  -40 °F to 180 °F  Shelf Life  1 year  Storage Temp / Rel. Humidity  70 °F / 50%	Peel Strength on Glass (lbf/in) / (N/25mm) 15 min	Remov. Side: 0.05-0.15 / 0.22-0.66
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Liner Type Remov. Side: clear printed polyester   Perm. Side: clear polyester   Release Force @ 300" / min (g/2") Remov. Side: 15-25   Perm. Side: 20-30   PERFORMANCE GUIDANCE   Application Temperature ≥+30 °F   Service Temperature -40 °F to 180 °F   Shelf Life 1 year   Storage Temp / Rel. Humidity 70 °F / 50%	LINER	
Release Force @ 300" / min (g/2")       Remov. Side: 15-25   Perm. Side: 20-30         PERFORMANCE GUIDANCE         Application Temperature       ≥+30 °F         Service Temperature       -40 °F to 180 °F         Shelf Life       1 year         Storage Temp / Rel. Humidity       70 °F / 50%	Liner Thickness (mils/µm)	Remov. Side: 1.2 / 30   Perm. Side: 1.5 / 38
PERFORMANCE GUIDANCE  Application Temperature  Service Temperature  -40 °F to 180 °F  Shelf Life  1 year  Storage Temp / Rel. Humidity  70 °F / 50%	Liner Type	Remov. Side: clear printed polyester   Perm. Side: clear polyester
Application Temperature         ≥+30 °F           Service Temperature         -40 °F to 180 °F           Shelf Life         1 year           Storage Temp / Rel. Humidity         70 °F / 50%	Release Force @ 300" / min (g/2")	Remov. Side: 15-25   Perm. Side: 20-30
Service Temperature -40 °F to 180 °F Shelf Life 1 year Storage Temp / Rel. Humidity 70 °F / 50%	PERFORMANCE GUIDANCE	
Shelf Life 1 year Storage Temp / Rel. Humidity 70 °F / 50%	Application Temperature	≥+30 °F
Storage Temp / Rel. Humidity 70 °F / 50%	Service Temperature	-40 °F to 180 °F
	Shelf Life	1 year
Outdoor Durability 6 mo.	Storage Temp / Rel. Humidity	70 °F / 50%
	Outdoor Durability	6 mo.



## TECHNICAL DATA SHEET

GF 118 - 1.0 MIL POLYESTER MOUNTING FILM CLEAR DOUBLE SIDED ADHESIVE

PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION	• POP/RETAIL	O SOLVENT
O WET APPLY	O WALL	O ECO-SOLVENT
O LAMINATING	O WRAP	O LATEX
• MOUNTING	• WINDOW	O UV CURABLE
O HOT STAMP	O FLOOR	O SCREEN
O DIE CUTTABLE	O TRANSLUCENT	O OFFSET
O HOT KNIFE	O FLEET	
O THERMAL DIE	• GENERAL SIGNAGE	
O FLATBED CUTTABLE	• OUTDOOR (SHORT TERM)	
SUBSTRATES	-	
O OEM PAINTED METAL		
• GLASS		
O POLYESTER		
O LOW-ENERGY SURFACES		
O ACRYLIC		
O PVC		

FAQS	
How do I know which side to apply to the printed graphic?	The side that is opposite the printed liner side is the permanent adhesve side.
Which side is the removable side?	When you are finished applying the 118 film, you will have a graphic that will have the words "REMOVE TO EXPOSE ADHESIVE" on the face of the printed graphic. This is the side that is applied to the glass surface.
Is this product clear?	GF 118 has good clarity, but is not considered "optically clear".