

TECHNICAL DATA SHEET

GF 790 CUT & CRAFT VINYL

3.0 MIL GLOSS POLYMERIC LIGHT-ETCH VINYL CLEAR PERMANENT ADHESIVE

GF 790 Light Etch Cut & Craft vinyl is a 3.0 mil gloss polymeric light glass etch vinyl coated with a permanent solvent acrylic pressure-sensitive adhesive on a 78# clay coated liner. This product is designed to give the frosted effect or an impression of etched, cut or sandblasted glass. GF 790 is designed for roll-fed plotter cut vinyl graphics as well as sheeted material for home craft applications.

PRODUCT NAME	790
FILM	
Film Type	Etched Polymeric Vinyl
Film Thickness (mils/μm)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	95
Gloss (60°)	≤10
Opacity (%)	25
Tensile Strength (lbs/in)	MD ≥ 3000 / CD ≥ 2800
Elongation (%)	MD ≥ 180 / CD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 0.50 mm / CD ≤ 0.30 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/μm)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.5 / 11
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.5 / 20
Peel Strength on Glass (lbs/in) / (N/25mm) 24 hrs	4.0 / 18
Peel Strength on Glass (lbs/in) / (N/25mm) 24 hrs	4.5 / 20
LINER	
Liner Weight (#/gsm)	78 / 127
Liner Type	White Clay Coated Kraft
Liner Thickness (mils/μm)	4.5 / 114
Release Force @ 360" / min (g/2")	75-125
PERFORMANCE GUIDANCE	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 200 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 7 years

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION ● WET APPLY ● DRY APPLY ○ HOT STAMP ● DIE CUTTABLE ○ HOT KNIFE ○ THERMAL DIE ● FLATBED CUTTABLE ● CONTOUR CUTTABLE	● GENERAL SIGNAGE ● POP/RETAIL ○ WALL ○ WRAP ● WINDOW ○ FLOOR ○ TRANSLUCENT ○ FLEET ● INDOOR ● OUTDOOR	○ SOLVENT ○ ECO-SOLVENT ○ LATEX ● UV CURABLE ○ THERMAL ● SCREEN ○ OFFSET
SUBSTRATES ● OEM PAINTED METAL ● GLASS ● SMOOTH SURFACES ○ LOW-ENERGY SURFACES ○ ACRYLIC ○ PVC		

FAQS

What types of transfer tape should I use with GF 790?	In most instances a medium tack application tape should work, such as TransferRite® 6582. For multiple color alignments, we would recommend using a frosted matte tape such as TransferRite® 1510 or a clear tape such as TransferRite® Ultra® 1310 Clear.
I used some GF 790 Light Etch to apply cut letters to wine glasses; are the Cut & Craft products dishwasher safe?	It is recommended that dishware with decals be hand washed with mild soap and water. The vinyl and adhesive can be impacted by high heat and extended exposure to water and cleaners. However, the adhesive and vinyl have excellent resistance to humidity.
What is the expected exterior lifetime of these products?	GF 790 is a full polymeric film with a solvent acrylic adhesive designed to last outdoors for up to 7 years under normal exposure conditions. Applied indoors in a temperature controlled environment this film will last indefinitely.