

**TECHNICAL  
DATA  
SHEET**
**GF 780 DRAGON WRAP™**
**5.6 MIL BLACK CARBON FIBER TEXTURED VINYL  
CLEAR REPOSITIONABLE PERMANENT ADHESIVE**

GF 780 Dragon Wrap carbon fiber film is a 5.6 mil calendered vinyl film featuring a clear repositionable permanent acrylic adhesive on a 90# air-egress liner. This black film has excellent dimensional stability, outstanding durability and outdoor performance. Additionally, GF 780 can be printed using solvent, eco-solvent and UV curable digital inks. This repositionable permanent adhesive offers minimal initial bond growing to permanent bonds that facilitates application of large graphics, and bubble-free installation is made easier with its air-egress liner.

PRODUCT NAME	780
<b>FILM</b>	
Film Type	Black Embossed Polymeric Vinyl
Film Thickness (mils/ $\mu$ m)	5.6 / 142 (+/- 10%)
Film Weight (gsm)	150
Gloss (60°)	$\leq$ 10
Opacity (%)	100
Tensile Strength (psi)	MD $\geq$ 2800 / CD $\geq$ 2000
Elongation (%)	MD $\geq$ 140 / CD $\geq$ 90
Dimensional Stability (FTM 14)	MD $\leq$ 0.20 mm / CD $\leq$ 0.20 mm
<b>ADHESIVE</b>	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/ $\mu$ m)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	4.5 / 20
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	6.5 / 28
<b>LINER</b>	
Liner Weight (#/gsm)	98 / 160
Liner Type	White 2-sided PE-Coated Kraft, Air-Egress
Liner Thickness (mils/ $\mu$ m)	7.5 / 190
Release Force @ 360" / min (g/2")	10-25
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	$\geq$ +40 °F
Service Temperature	-40 °F to 200 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	5 year
Removability	2 year

# TECHNICAL DATA SHEET

## GF 780 - 5.6 MIL BLACK CARBON FIBER TEXTURED VINYL CLEAR REPOSITIONABLE PERMANENT ADHESIVE

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 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 checked="" type="radio"/> POP/RETAIL</li> <li><input type="radio"/> WALL</li> <li><input checked="" type="radio"/> WRAP (ACCENTS)</li> <li><input type="radio"/> WINDOW</li> <li><input type="radio"/> FLOOR</li> <li><input type="radio"/> COUNTER</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> INDOOR</li> <li><input checked="" type="radio"/> OUTDOOR</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> SOLVENT</li> <li><input checked="" type="radio"/> ECO-SOLVENT</li> <li><input checked="" type="radio"/> LATEX*</li> <li><input checked="" type="radio"/> UV CURABLE</li> <li><input checked="" type="radio"/> SCREEN</li> <li><input checked="" type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul> <p><i>* Latex printer must have white ink capability. (Latex inks will stick, but will not be visible unless the latex printer has white ink to back up the colors, [ex: HP Latex R Series, HP Latex 700W &amp; 800W].</i></p>
<p><b>SUBSTRATES</b></p> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> OEM PAINTED METAL</li> <li><input checked="" type="radio"/> PAINTED ALUMINUM</li> <li><input checked="" type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> SMOOTH PAINTED DRYWALL</li> <li><input checked="" type="radio"/> ACRYLIC</li> </ul>		

### FAQS

I have installed GF 780 Dragon Wrap on my car hood—can I wax it?	No, please do not use wax—it is not recommended with GF 780 Dragon Wrap as it will cause issues with the finish and texture.
What is the best way to care for my wrap film?	Dragon Wrap carbon fiber wrap film should be maintained to preserve long term appearance using standard aftercare products designed for textured exterior vinyl surfaces. A commercially available protectant such as Armor All or 303 Aerospace Protectant is recommended.
Are there any other typical applications for this product?	Common uses are Automotive Accent Restyling and Automotive Wraps as applied by experienced installers. Other applications include Architectural Signage, Interior and Exterior Displays. These films are intended for flat to moderately curved surfaces. Heat setting the film and edges is always recommended. If printing, these films must be tested before production.
What is the expected exterior lifetime of these products?	GF 780 is designed to last outdoors for up to 5 years under normal exposure conditions.

GF 780 | OCTOBER 2022

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