TYPICAL PROPERTIES:	ASTM METHODS	UNITS	PRIME FILM VALUE
PHYSICAL PROPERTIES:			
Specific Gravity	D-792	NA	1.32
Tensile Yield Strength*	D-638	psi	7,900
Tensile Modulus*	D-638	psi	380,000
Izod Notch Impact*	D-256	ft.-lb./in.	1.0
Flexural Modulus*	D-790	psi	410,000
Flexural Yield Strength*	D-790	psi	13,500
DTUL at 264 psi (18.5 kg/cm2)*	D-648	°F	154

*Using 0.125" Test Specimen

Printability

Most printing techniques do not require any surface treatment including screen printing, Ecosolve ink jet, latex and UV curable ink, thermal transfer, hot foil stamping, applying other PS adhesives, flexo printing and offset printing are routinely conducted on Griff products as supplied. Water based ink jet is not recommended at this time. As always, it is suggested the decorating technique be tested for suitability.

Durability

All of Griff's offerings are available in an outdoor durable version with a life span of up to 3 to 5 years depending on application. Exceptionally harsh UV and wet conditions can shorten exterior life. Interior durability can be considered long-term for most applications.

Chemical

Rigid PVC films are resistant to strong acids, alkalis, most oils, fats and alcohol. In general, aromatic hydrocarbons, ketones, and esters will cause swelling.

Adhesive used on Griff Decorative Films special effect film products is a permanent type pressure sensitive, water clear, non-toxic acrylic.

	Prime
Adhesive Thickness:	0.9 +/- 0.1 mil (0.0009 +/-0.0001")
Adhesive Type:	Permanent type Acrylic #123
Adhesive Properties:	PSTC-1 180º Peel 1.9 lb/inch PSTC-7 Shear Resistance 1" x 1" x 1000 grams 63.0 Hrs. Loop Tack – 2.7 Lb/inch

Performance:
"Prime" Griff films are coated with a permanent acrylic 123 adhesive for a wide variety of surfaces. This adhesive provides excellent bonding to metal, paper, board, polyester, polyethylene, PVC, polycarbonate, etc. Our adhesive is water clear and resistant to discoloration.

For maximum adhesive performance Griff Decorative Films recommends application of product (shelf-life) within two years of manufacturing; however time spans in excess of three years have been reported with no noticeable decay in adhesion properties.

If Griff's adhesive is to be removed the following solutions are suggested: d-limonene, Xylene (Xylol) and denatured alcohol.

Caution: Test above solutions on a small unnoticeable portion of the surface to be sure there are no detrimental effects.

Note: All data indicated represents typical values only and are not specifications.