



Thermal Digital Print Film

SGS Thermal Digital Print Film is a flexible urethane film which can be digitally printed and applied to Sunbrella® or other Glen Raven® fabrics using our Sunbrella Graphics Systems to produce high quality, durable graphics for banners, umbrellas, covers and many other textile applications where flexibility of the fabric and film is needed. The new thermal-activated adhesive can reduce the application time by 75% compared to other pressure sensitive films. The film can also be used unprinted for white lettering or graphics where printing is not required but the flexibility/durability is important. The adhesive is thermal-activated, is dry to the touch at low temperatures and will remain dry to the touch once cooled. SGS Thermal Digital Print Film is suitable for use in most solvent, eco-solvent and UV printers.

Applications

Banners
Race car covers
Exhibits
Sales promotions
Pennants
Table drops
Pop-up tents
Umbrellas

Advantages

Bonds to a wide range of fabrics
Indoor / outdoor use
Digitally printable
Non-yellowing
Durable
Resists cracking
Excellent adhesion to fabric
Wrinkle resistant

Print Recommendations

On most solvent, eco-solvent and urethane printers, an existing profile for digital print film would be recommended. 720 x 720 resolution. Preheat setting of 40C and post heat of 45C. Allow film to dry thoroughly after printing. It is not recommended that you print in a roll to roll process. If an over-laminate is desired, print sheets and allow to cure properly before applying laminate.

Packaging and Handling

Rolls are put up in tubes on 3" cores. Cartons should be stored laying flat. Do not leave standing on end for a prolonged period of time. Wrinkling or telescoping could occur.

Property	Unit	Test Method
Thickness	6 mm	ISO 4593:1993
Weight	199-215 g/m2	DIN 53854
Width: (TV# 902678) 60" (TV# 901676) 30"	SGL/LG 60" SGL/LG 30"	
Ultimate Elongation: MD TD	198% 298%	ASTM D638 ASTM D638
Tensile Strength: MD TD	2030 PSI 1885 PSI	ASTM D638 ASTM D638
Tear Propagation: MD TD	400 lbf/in. 366 lbf/in.	DIN 53515/90 DIN 53515/90
Melting range adhesive side	176-203F	Kofler Melting Plate
Fire Retardant: No		

Style # / Roll Length in Yards	Description
SGS/LG / 25 yards	60" SGS/LG Digital Print Film White
SGS/LG / 25 yards	30" SGS/LG Digital Print Film White

Application of Film

1. If printing, print desired image (print side face out).
2. Graphic should be plotted/cut and weeded.
3. Transfer tape applied over graphic.
4. Remove graphic from backing.
5. Apply graphic to fabric.
6. Place in SGS machine or other heat transfer machine.
7. Do not use low temperature "poly overlay".
8. Use a thermometer or test strip to test the accuracy of your machine.
9. Bring temperature to 210 on SGS machine (actual temperature range 210 f to 225 f), run for 2 minutes, allow fabric to cool.
10. Remove transfer tape, put back in machine for another 2 minutes set at 210 on SGS machine.
11. Remove fabric from machine.

Not intended for use on fabrics that have been dye sublimation printed.



CORPORATE OFFICE
1831 North Park Avenue
Glen Raven, NC 27217-1100