



# Film Products

## Gfp Laminating Film Products

Easier application. Better image. Longer life.

Gfp Pressure-Sensitive Lamination films are developed for trouble-free finishing of the most demanding wide format applications for flexible media substrates, indoors or out. Each film not only protects the printed image from UV rays, contamination and abrasion; it also improves the printed image by increasing depth, contrast and useful life.

### Economy PSA Overlaminates Films

These Monomeric PVC based films have UV inhibitors for indoor or short-term outdoor graphics for **up to 3 years durability** with vertical exposure under normal conditions. Each soft calendared PVC is coated with 1 mil (25  $\mu$ ) permanent solvent acrylic adhesive. This adhesive is protected by a 70# (105 gsm) white paper release liner coated both sides with PE and siliconized on the release side. Monomeric PVC overlaminates provide affordable protection against harmful UV rays, dirt, and abrasion.

**Gloss** – Crystal clear 3.2 mil (80  $\mu$ ) PVC reflects light to produce crisp, vibrant colors. (Gloss level 100 @ 60° reflection)

*Signage, POP displays, Posters, and Photographic images.*

**Luster** – Slightly textured 3.2 mil (80  $\mu$ ) PVC reduces glare while offering wide color range like gloss. (Gloss level 30 @ 60° reflection)

*Promotional displays, and event signage.*

**Matte** – Flat textured 3.2 mil (80  $\mu$ ) PVC provides little light reflection diminishing color intensity. (Gloss level 15 @ 60° reflection)

*Trade show graphics, POP displays.*

**Textured Matte 3 mil** – Crystalline textured 3.0 mil (75  $\mu$ ) PVC minimizes glare, adds scuff-resistance. (Gloss level 8 @ 85° reflection)

*POP Displays, Trade show graphics, and Banner stands.* UL 410 approved for slip resistance of *interior Floor Graphics.*

**Textured Matte 5 mil** – Crystalline textured 5.0 (125  $\mu$ ) PVC: Adds rigidity to graphics. (Gloss level 6 @ 85° reflection)

*Trade Show panels, mouse pads, counter mats, and placemats.* UL 410 approved for slip resistance of *interior Floor Graphics.*

### Intermediate PSA Overlaminates Films

These Polymeric PVC based films have added UV inhibitors for indoor or medium-term outdoor graphics for **up to 5 years durability** with vertical exposure under normal conditions. Each soft calendared PVC has more complex plasticizers to improve outdoor durability and minimize shrinkage from plasticizer migration. The PVC is coated with 1 mil (25  $\mu$ ) permanent solvent acrylic adhesive. This adhesive is protected by a 70# (105 gsm) white paper release liner coated signage or high-end indoor graphics requiring extra protection.

**Gloss** – Reflective 3.2 mil (80  $\mu$ ) PVC produces rich depth of color, image contrast and vibrancy. (Gloss level 100 @ 60° reflection)

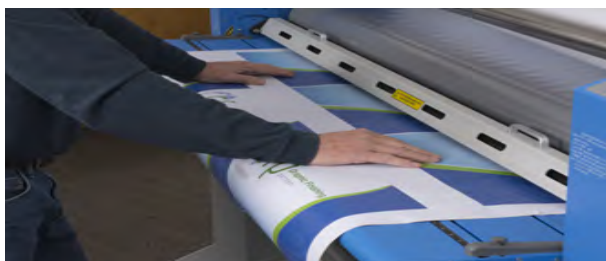
*Longer term outdoor banners, commercial signs, displays and flat surface vehicle graphics*

**Luster** – Low reflection 3.2 mil (80  $\mu$ ) PVC for less glare and better viewing from all angles. (Gloss level 30 @ 60° reflection)

*Promotional displays, event signage*

**Matte** – Flat surface 3.2 mil (80  $\mu$ ) PVC absorbs light for a softer look with a muted color palette. (Gloss level 15 @ 60° reflection)

*Trade show graphics, POP displays*



## Specialty PSA Overlamine films

Special use films for indoor or short-term outdoor graphics for up to 2 years durability with vertical exposure under normal conditions. Each substrate is coated with 1 mil (25  $\mu$ ) permanent solvent acrylic adhesive. The adhesive is protected by a 70# (105 gsm) white paper release liner coated both sides with PE and siliconized on the release side.

**Anti-Graffiti** – 1.5 mil (36  $\mu$ ) Gloss clear, hard-coated polyester to protect image from vandalism. (Gloss level 90 @ 60° reflection) Spray paint easily removed with solvents protecting advertising signs, event graphics and displays.

**Dry Erase** - 2.0 mil (50  $\mu$ ) Gloss clear Polypropylene, suitable as a write/erase surface. (Gloss level 90 @ 60° reflection) Dry erase markers wipe clean for calendars, planners, maps, displays, courtroom graphics, and menu boards.

## Self-wound PSA Overlamine Films

Linerless PSA is a self-wound overlamine film without a release liner and offers a cost-effective alternative finishing wide format inkjet prints, screen or UV printed boards or labels. Available in a polyester substrate for indoor and outdoor graphics up to 5-years durability with vertical exposure under normal conditions. Coated with 0.8 mil (20u) permanent water-based acrylic adhesive with a release coating that eliminates the need for a paper liner and is compatible with digital media printed with solvent, eco-solvent or latex ink jet inks and screen or UV printed boards. Self-wound films cost less and runs faster than PVC based films.

Non-toxic and phthalate-free, they comply with California's Prop 65 chemical requirements.

### POLYESTER-1 mil (25 $\mu$ ) Polyester (PET)

**Gloss** - Non-yellowing, glass-like PET enhances image color, depth and vibrancy.

*Digital ink jet product labels, stickers, signs, POP displays, advertising signs. banner*

**Matte**- Silky surface texture creates flat image look to colors and protection from fingerprints.

*Trade show graphics, POP displays, screen or UV printed boards, signage or displays.*

## Kraft Paper

Brown Kraft paper 30# (40 gsm) made from virgin fibers with low re-pulped mill scrap content, and double-side machine calendared finished for smooth operation. It is used as a backing paper for PSA film single-sided lamination to protect laminator rollers from adhesive buildup.

Gfp Laminating film is suitable for signage on flat or slightly curved surfaces with vertical exposure under normal conditions, and application temperatures of 40° F to 176° F. Durability of the laminate (whether Monomeric or Polymeric) depends on the proper drying/curing/outgassing of the ink. Printed PVC must be allowed to dry for 24-48 hours at 70° F prior to lamination to allow residual solvent to evaporate. Failure to do so may result in delamination tunneling and shrinkage of the PVC and/ or adhesive failure.

These durability estimates apply only to the laminating film not to the printed image. They are based on accelerated aging tests and outdoor exposure, under conditions experienced in vertical exposure and in "normal" temperate climates. Exposure to severe humidity and ultraviolet light as in Southern States or desert regions, will cause rapid deterioration. This also applies to polluted area, high altitude, horizontal and/or south-facing exposure where durability may be divided by 2. Because of these varying climate conditions, there is no standard outdoor durability; it is only a reference for choosing the proper product.

### Important notice

Gfp products are warranted to be free from defects in material and workmanship (see Gfp Product Warranty statement).

Product information is based on research the company believes to be reliable; however, such information is given without guarantee and does not constitute a warrant. Purchasers should undertake their own evaluation of the product prior to use to independently determine the suitability of the product to their specific application and the purchaser shall assume all risks regarding such use.





Economy UV PSA Overlamine			
Substrate	3.2 mil ( 80µ) Calendered Polymeric PVC Textured Matte - 3.2mil (80µ)	Finishes	Gloss Level
Adhesive	0.9 mil ( 22µ) Permanent Clear Solvent based Acrylic	Gloss	100 @ 60° reflection
Liner	70# (105gsm) White Siliconized Paper	Luster	30 @ 60° reflection
Durability	Up to 3 years, vertical exposure outdoors	Matte	15 @ 60° reflection
Textured Matte	UL 410 approved for slip resistance on interior floors	Textured Matte 3 mil	8 @ 60° reflection
		Textured Matte 5 mil	6 @ 60° reflection

Intermediate UV PSA Overlamine			
Substrate	3.2 mil ( 80µ) Calendered Polymeric PVC	Finishes	Gloss Level
Adhesive	0.9 mil ( 22µ) Permanent Clear Solvent based Acrylic	Gloss	100 @ 60° reflection
Liner	70# (105gsm) White Siliconized Paper	Luster	30 @ 60° reflection
Durability	Up to 5 years, vertical exposure outdoors	Matte	15 @ 60° reflection

Specialty - Anti-Graffiti PSA Overlamine			
Substrate	1.5 mil ( 37µ) Clear Hard Coated Polyester ( PET)	Finishes	Gloss Level
Adhesive	0.9 mil ( 22µ) Permanent Clear Solvent Based Acrylic	Gloss	90 @ 60° reflection
Liner	70# ( 105gsm) White Siliconized Paper		
Durability	Up to 2 years, vertical exposure outdoors		

Specialty - Dry Erase PSA Overlamine			
Substrate	2.0 mil ( 50µ) Clear Polypropylene ( OPP)	Finishes	Gloss Level
Adhesive	0.9 mil ( 22µ) Permanent Clear Solvent-based Acrylic	Gloss	90 @ 60° reflection
Liner	70# ( 105gsm) White Siliconized Paper		
Durability	up to 2 years, vertical exposure outdoors		

Self-wound PSA Overlamine- Polyester ( PET)			
Substrate	1 mil ( 25µ) Clear Polyester ( PET)	Finishes	Gloss Level
Adhesive	0.8 mil ( 20µ) Permanent Optically Clear Water Based Acrylic	Gloss	85 @ 60° reflection
Liner	NONE	Matte	20 @ 60° reflection
Durability	Up to 5 years, vertical exposure outdoors Non -toxic and phthalate-free, California Prop 65 compliant		

Kraft Paper			
Substrate	30# ( 409gsm) Virgin fibers with low re-pulped mil scrap paper double sided machine calendared	Finish	Brown
Adhesive	None		





Economy Films			Intermediate Films			Self-Wound Films			
	Part Number	Roll Size		Part Number	Roll Size		Part Number	Roll Size	
Gloss	PSG-5430	54"x30'	Gloss	ODG-5430	54"x30'	Polyester	SMPETG-18150	18"x150'	
	PSG-20150	20"x150'		ODG-54150	54"x150'		Gloss	SMPETG-54150	54"x150'
	PSG-25150	25"x150'		ODG-60150	60"x150'			SMPETG-54300	54"x300'
	PSG-30150	30"x150'	Luster	ODL-5430	54"x30'	Matte	SWPETM-18150	18"x150'	
	PSG-38150	38"x150'		ODL-54150	54"x150'		SWPETM-54150	54"x150'	
	PSG-43150	43"x150'		ODL-60150	60"x150'		SWPETM-54300	54"x300'	
	PSG-51150	51"x150'	Matte	ODM-5430	54"x30'	<b>Kraft Paper</b>			
	PSG-54150	54"x150'		ODM-54150	54"x150'				
	PSG-61160	61"x150'		ODM-60150	60"x150'				
Luster	PSL-5430	54"x30'	<b>Specialty Films</b>				<b>Part Number</b>	<b>Roll Size</b>	
	PSL-25150	25"x150'	Anti-Graffiti	PAG-5430	54"x30'	KPB-25450	25"x450'		
	PSL-30150	30"x150'		PAG-38150	38"x150'	KPB-30450	30"x450'		
	PSL-38150	38"x150'		PAG-54150	54"x150'	KPB-38450	38"x450'		
	PSL-43150	43"x150'	Dry Erase	PDR-5430	54"x30'	KPB-43450	43"x450'		
	PSL-51150	51"x150'		PDR-51150	51"x150'	KPB-51450	51"x450'		
	PSL-54150	54"x150'		PDR-54150	54"x150'	KPB-55450	55"x450'		
PSL-61160	61"x150'				KPB-61450	61"x450'			
Matte	PSM-5430	54"x30'							
	PSM-20150	20"x150'							
	PSM-25150	25"x150'							
	PSM-30150	30"x150'							
	PSM-38150	38"x150'							
	PSM-43150	43"x150'							
	PSM-51150	51"x150'							
	PSM-54150	54"x150'							
	PSM-61160	61"x150'							
Textured 3mil	TM3-5430	54"x30'							
	TM3-38150	38"x150'							
	TM3-43150	43"x150'							
	TM3-51150	51"x150'							
	TM3-54150	54"x150'							
	TM3-61160	61"x150'							
Textured 5mil	TM5-5430	54"x30'							
	TM5-38150	38"x150'							
	TM5-51150	51"x150'							
	TM5-54150	54"x150'							
	TM5-61150	61"x150'							

