



1985 West Stanfield Rd.
Troy, Ohio 45373
www.ggrmedia.com
1-612-860-0360
www.3Sigma.cc



Envisioning Endless Possibilities

3 Sigma llc.

Envisioning Endless Possibilities



*Innovative,
Creative,
Reliable,*

Established in 1980, 3Sigma is a rapidly growing resourceful innovator of unique pressure sensitive coated and laminated products. 3Sigma utilizes its Solvent, Emulsion and Hot-Melt technology to produce specialty or complex adhesive constructions at our 85,000 sq. ft. facility in Troy, Ohio. 3Sigma's commitment to you, our customer, is to continuously seek ways to address and improve your critical business needs: speed of commercialization, increased product performance and overall product quality. Our experienced team has the necessary expertise to consistently produce superior products that meet your critical requirements. Our knowledgeable Customer Service and Technical Associates will work collaboratively with you to develop and manufacture a custom "Fit for Use" product specific to your application. 3Sigma is an ISO 9001-2015 certified company demonstrating high levels of quality and consistent process. Since our start in 1980, our team has continued to refine our materials and process technologies to provide our customers with a level of service that is unmatched by our competition. 3Sigma offers an extensive line of proprietary products extending into various markets and industries. 3Sigma's key markets served are: Business Forms, Food & Beverage, Health and Beauty, Industrial, Security & Tamper Evident, Graphics, and Toll Coating. In summary, 3Sigma is one of the most versatile manufacturers within the Pressure Sensitive Industry and our team looks forward to becoming your solutions provider.

Thank You !!

Signature

Terms & Conditions

1. **PRICE.** Orders are accepted only on the basis of prices in effect at the time of purchase. Prices are subject to change without notice. Prices are subject to all applicable Federal, State or Local Taxes.
2. **TERMS.** Invoices are payable on standard terms. By accepting delivery of goods, Buyer agrees to pay the invoiced cost of those goods, and agrees to be bound to these contract terms. A 1.5% monthly fee may be assessed on all invoices over 30 days.
3. **FREIGHT AND RISK LOSS.** Buyer shall accept the goods F.O.B. Shipping Point. Freight charges are prepaid and invoiced unless arrangements are made at the time of order. All expenses and risk of loss for any damages incurred in the transportation of goods, including but not limited to any risk, of loss of loading and unloading, shall be born solely by Buyer. All Claims for loss, damage, or delay against the carrier must be made by the Buyer.
4. **RETURNS.** Only merchandise returned with the proper return authorization form will be accepted.
5. **WARRANTY.** All material descriptions and product information is believed to be accurate and reliable. All products are sold with the understanding that the Buyer will independently determine the suitability of each construction for the application for which it was purchased.

3Sigma products are manufactured to meet all written specifications and are warranted to be free from defects. If at anytime within 180 days from the date of sale, any material shown to be defective (under recommended dry storage conditions of 50° F to 80° F), will be replaced without charge or a credit will be issued for the cost of the defective material. In no event will 3Sigma assume responsibility for claims of any kind beyond replacement of credit for the product sold.

No salesperson, representative or agent of 3Sigma is authorized to give any warranty or guarantee, or to make any representation in addition or contrary to the foregoing. All orders are subject to acceptance by 3 Sigma LLC. Troy, Ohio.

In addition to our custom films products; 3Sigma also utilizes the expertise of our suppliers in the industry. We stand ready to produce customized products with a wide variety of raw materials to meet your needs. You also have access to our expertise in coating many non-standard paper hybrids. Specialty textured cover stocks, tinted stocks, high end packaging and merchandising materials all fit the core competencies of 3Sigma. From highly specialized wine or beverage labels to complex construction packaging, let 3Sigma discuss our endless construction options available to you.

Suede/Leather Feel & Look

“Soft” Touch Matte

Color Tinted & Textured Paper

Color Tinted & Textured Tyvek

Flocked Velvet Feel Paper

Deckled Edge Paper

(All Specialty Paper will have a minimum order requirement& subject to change)

Intermediate Vinyl

Product Code	Description	Adhesive	Liner	Finish	Width
IV-4625-3S	3.5 MIL MATTE WHITE INTERMEDIATE FLEXIBLE VINYL WITH PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	PE3	90#	MATTE	54"
IV-5397-3S	3.5 MIL MATTE WHITE INTERMEDIATE FLEXIBLE VINYL WITH HIGH TACK PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	PE21	90#	MATTE	54"
IV-5151-3S	3.5 MIL MATTE WHITE INTERMEDIATE FLEXIBLE VINYL WITH LOW PEEL REMOVABLE ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	RE3	90#	MATTE	54"
IV-4637-3S	3.5 MIL MATTE WHITE INTERMEDIATE FLEXIBLE VINYL WITH REMOVABLE ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	RE5	90#	MATTE	54"
IV-1666-3S	3.5 MIL GLOSS WHITE INTERMEDIATE FLEXIBLE VINYL WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
IV-5188-3S	3.5 MIL GLOSS WHITE INTERMEDIATE FLEXIBLE VINYL WITH LOW PEEL REMOVABLE ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SR5	90#	GLOSS	54"
IV-1667-3S	3.5 MIL GLOSS CLEAR INTERMEDIATE FLEXIBLE VINYL WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
IV-4595-3S	3.5 MIL GLOSS CLEAR INTERMEDIATE FLEXIBLE VINYL WITH LOW PEEL REMOVABLE ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SR5	90#	GLOSS	54"
IV-1661-3S	3.5 MIL MATTE WHITE INTERMEDIATE FLEXIBLE VINYL WITH LSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	LSE	90#	MATTE	54"

Semi-Rigid Vinyl

Product Code	Description	Adhesive	Liner	Finish	Width
IV-1489-3S	3.5 MIL MATTE WHITE INTERMEDIATE SEMI RIGID VINYL WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	MATTE	54"
IV-1262-3S	3.5 MIL MATTE WHITE INTERMEDIATE SEMI RIGID VINYL WITH HIGH PERMFORMANCE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP56	90#	MATTE	54"

Premium Vinyl

Product Code	Description	Adhesive	Liner	Finish	Width
PV-1191-35	3.5 MIL MATTE WHITE PREMIUM FLEXIBLE VINYL WITH PREMIUM HIGH PERFORMANCE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	HP1	90#	MATTE	54"
PV-1190-35	3.5 MIL MATTE WHITE PREMIUM FLEXIBLE VINYL WITH HIGH TACK PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	HP56	90#	MATTE	54"
PV-3058-35	3.5 MIL MATTE WHITE PREMIUM FLEXIBLE VINYL WITH LSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	HPLSE	90#	MATTE	54"



BRIGHT/BRUSHED METALLIZED PET
VOID PET
SILVER HIGH GLOSS PET
SILVER VOID PET
DUAL COLORED VOID
TRANSPARENT COLOR PET COLOR LASER
WHITE MATTE INKJET PET
WHITE/BLACK GLOSS PET
CLEAR INVSIble VOID TC PET
CLEAR/WHITE HEAT STABILLIZED PET
CUSTOMIZED WATERMARK PET
SOLVENT/SCUFF RESISTANT PET
SOFT FEEL COATING
INDIGO TOP COATING
BARRIER COATED FILM
CORROSION RESISTANT COATING
MOISTURE BARRIER COATING
BIODEGRADABLE

(This list does not represent all available inventory & is subject to change)

Signature

Adhesive Reference Chart

Premium Permanent		Permanent	
SP5	Premium Permanent, moderate tack, good low surface energy adhesion	PE3	Permanent, balanced properties, general purpose
SP9	Black Premium Permanent, balanced properties	PE18	Permanent, high shear, general purpose
SP25	Premium Permanent, moderate tack, good low surface energy adhesion	PE21	Permanent, high tack, excellent low surface energy adhesion, good low temp adhesion
SP50	White Premium Permanent, high tack, excellent added opacity	FGOL	Premium Removable, high peel removable, carpet adhesive, no adhesion build
SP58	Gray Premium Permanent, balanced properties	SP1	General Purpose, balanced properties, good heat resistance, general purpose
SP56	Premium Permanent, high tack, excellent low surface energy adhesion, good low temperature adhesion	Removable	
LSE	Premium Permanent, high tack, excellent low surface energy adhesion, good low temperature adhesion	RE3	Removable, low tack, no adhesion build
HP1	High Performance Permanent, balanced properties, excellent heat resistance, resistance to wide range of chemicals	RE5	Removable, moderate tack, stable peel
HP2	High Performance Permanent, high peel, quick tack, resistance to a wide range of chemicals	Premium Removable	
HPLSE	High Performance Permanent, high tack, excellent heat resistance, excellent low surface adhesion, resistance to wide range	SR1	Premium Removable, moderate tack, smooth peel, resistant to heat, no adhesion build
		SR5	Premium Removable, low tack, resistant to heat, no adhesion build
		FG1	Premium Removable, low tack, resistant to heat, wet apply, clean removability, no adhesion build, floor graphics

Signature

Printable Polyesters

Printable Polyesters

Product Code	Description	Adhesive	Liner	Finish	Width
PP-1586-3S	1.0 MIL PRINT TREATED CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
PP-1587-3S	2.0 MIL PRINT TREATED CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
PP-1107-3S	2.0 MIL PRINT TREATED CLEAR POLYESTER WITH HIGH PERFORMANCE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP56	90#	GLOSS	54"
PP-1309-3S	2.0 MIL GLOSS TOP COATED WHITE POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
PP-1422-3S	2.0 MIL GLOSS TOP COATED WHITE POLYESTER WITH HIGH TACK ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP56	90#	GLOSS	54"
PP-3059-3S	2.0 MIL MATTE TOP COATED WHITE POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"



Signature Metallized Polyesters

Signature Custom Formulations

Metallized Polyesters

Product Code	Description	Adhesive	Liner	Finish	Width
MP-1075-3S	2.0 MIL PRINT TREATED BRIGHT SILVER POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
MP-1048-3S	2.0 MIL PRINT TREATED BRUSHED SILVER POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	BRUSHED	54"
MP-3060-3S	2.0 MIL PRINT TREATED BRIGHT GOLD POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	GLOSS	54"
MP-3061-3S	2.0 MIL PRINT TREATED BRUSHED GOLD POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	SP1	90#	BRUSHED	54"



CUSTOM FORMULATIONS

The versatility of our company allows us to offer you more design options, quicker production, and the opportunity to grow through diversification and speed of service. The key to our success is to be more innovative than our competition. 3Sigma helps our customers achieve this through formulating custom constructions based on market and application expertise. Our team works collaboratively to formulate a product “Fit For Use” ensuring optimal product performance.



Floor Graphics

Product Code	Description	Adhesive	Liner	Finish	Width
FG-9109-3S	3.5 MIL MATTE WHITE NON TOP COATED FLEXIBLE VINYL WITH HIGH PERFORMANCE REMOVABLE ON 90# STAYFLAT LINER	FG1	90#	MATTE	54"
FG-7837-3S	3.5 MIL GLOSS WHITE INTERMEDIATE FLEXIBLE VINYL WITH HIGH PERFORMANCE REMOVABLE ACRYLIC ADHESIVE ON 90# STAYFLAT LINER	FG1	90#	GLOSS	54"
FG-8621-3S	5 MIL CLEAR EMBOSSED VINYL - FLOOR GRAPHICS OVERLAMINATE WITH PERMANENT ACRYLIC ADHESIVE ON 40# LINER	FGOL	40#	TEXTURED	54"
FG-9829-3S	3.75 MIL CLEAR TEXTURED PROPYLENE - FLOOR GRAPHICS OVERLAMINATE WITH PERMANENT ACRYLIC ADHESIVE ON 40# LINER	FGOL	40#	TEXTURED	54"



Barrier Film

Product Code	Description	Adhesive	Liner	Finish	Width
BF-4525-3S	2.3 MIL TOP COATED WHITE POLYPROPYLENE METALIZED BACK WITH WHITE PERMANENT ACRYLIC ADHESIVE ON 50# GLASSINE LINER	SP50	50#	GLOSS	54"

Overlaminates

Product Code	Description	Adhesive	Liner	Finish	Width
OL-7146-3S	1.0 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON A 1.2 MIL LINER	SP1	1.2 PET	GLOSS	54"
OL-1024-3S	1.0 MIL MATTE CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 1.2 MIL PET LINER	SP1	1.2 PET	MATTE	54"
OL-1018-3S	1.0 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 40# LINER	SP1	40#	GLOSS	54"
OL-7496-3S	2.0 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON 1.2 MIL PET LINER	SP1	1.2 PET	GLOSS	54"
OL-9829-3S	3.75 MIL CLEAR TEXTURED PROPYLENE WITH PERMANENT ACRYLIC ADHESIVE ON 40# LINER	FGOL	40#	TEXTURED	54"
OL-8621-3S	5 MIL CLEAR EMBOSSED VINYL WITH PERMANENT ACRYLIC ADHESIVE ON 40# LINER	FGOL	40#	TEXTURED	54"

Signature

Transfer Adhesives

Transfer Adhesives

Product Code	Description	Adhesive	Liner	Finish	Width
TT-1206-3S	2 MIL HIGH TACK PERMANENT WITH TRANSFER ADHESIVE ON 60# C2S LINER	SP25	60# C2S	NA	54"
TT-5463-3S	2 MIL GENERAL PURPOSE PERMANENT WITH TRANSFER ADHESIVE ON 60# C2S LINER	SP1	60# C2S	NA	54"
TT-2056-3S	2 MIL HIGH TACK PERMANENT WITH TRANSFER ADHESIVE ON 1.2 MIL PET AND 40# PK LINERS	SP25	1.2 PET/40#	NA	54"
TT-3065-3S	2 MIL GENERAL PURPOSE PERMANENT WITH TRANSFER ADHESIVE ON A 1.2 MIL PET AND A 40# PK LINER	SP1	1.2 PET/40#	NA	54"



Signature

Mounting Films

Mounting Films

Product Code	Description	Adhesive	Liner	Finish	Width
MF-3062-3S	0.5 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE - BOTH SIDES ON 60# C2S LINER	SP1	60#	NA	54"
MF-3063-3S	0.5 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE - BOTH SIDES ON 40# AND 1.2 PET LINERS	SP1	40#/1.2 PET	NA	54"
MF-3064-3S	1.0 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE - BOTH SIDES ON 40# AND 1.2 PET LINERS	SP1	40#/1.2 PET	NA	54"
MF-6821-3S	2.0 MIL CLEAR PROPYLENE WITH PERMANENT ACRYLIC ADHESIVE ON ONE SIDE AND LOW PEEL REMOVABLE ON A 1.2 MIL PET LINER	SP1/SR5	1.2 PET/1.2 PET	NA	54"

Mounting Films “Specialty”

Product Code	Description	Adhesive	Liner	Finish	Width
MFS-2444-3S	0.5 MIL CLEAR POLYESTER - PERM/REM WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON ONE SIDE AND A REMOVABLE ACRYLIC ON THE OTHER ON 60# C2S LINER	SP1/SR1	60#	NA	54"
MFS-3066-3S	1.0 MIL BLACK BLOCKOUT - ANYTIME BLOCKOUT WITH BLACK PERMANENT ADHESIVE ON BOTH SIDES ON 40# AND 1.2 MIL PET LINERS	SP9/SP9	60#	NA	54"
MFS-3067-3S	1.0 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE AND 40# LINER ON ONE SIDE AND A REMOVABLE ACRYLIC WITH 1.2 PET LINER ON THE OTHER	SP1/SR1	40#/1.2 PET	NA	54"
MFS-9188-3S	1.0 MIL CLEAR POLYESTER WITH GENERAL PURPOSE PERMANENT ACRYLIC ADHESIVE ON ONE SIDE AND A REMOVABLE ACRYLIC ON THE OTHER ON 60# C2S LINER	SR1/SP1	60#	NA	54"