

Screen Product Guide

About 3 Sigma

Established in 1980, 3 Sigma is a fast-growing innovator of pressure sensitive adhesive coated products. 3 Sigma uses its solvent, emulsion and hot melt technology expertise to produce specialty or complex adhesive constructions at our facility in Troy, Ohio. Our flexibility, creativity, market experience and unique product commercialization approach enables us to create higher margin, innovative products for our customers, helping them to capture market opportunities, reduce waste and production costs, and increase output.



A Proven Approach

Research and Development of custom adhesives and top coats for highly specialized pressure sensitive products is our specialty. Our solvent, emulsion and hot melt chemistry and manufacturing capabilities are utilized every day to create unique, value-added products for our customers that add directly to their bottom line. 3 Sigma's research and development personnel have worked in large multi-national corporations and follow a unique, collaborative approach when working with customers and strategic partners, ensuring alignment and a superior customer experience.

3 Sigma LLC.

Envisioning Endless Possibilities

Signature Terms & Conditions



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 !!

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 PERFORMANCE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER | SP56 | 90# | MATTE | 54" |

Premium Vinyl

| Product Code | Description | Adhesive | Liner | Finish | Width |
|--------------|--|----------|-------|--------|-------|
| PV-1191-3S | 3.5 MIL MATTE WHITE PREMIUM FLEXIBLE VINYL WITH PREMIUM HIGH PERFORMANCE PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER | HP1 | 90# | MATTE | 54" |
| PV-1190-3S | 3.5 MIL MATTE WHITE PREMIUM FLEXIBLE VINYL WITH HIGH TACK PERMANENT ACRYLIC ADHESIVE ON 90# STAYFLAT LINER | HP56 | 90# | MATTE | 54" |
| PV-3058-3S | 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 INVISIBLE VOID TC PET**
- CLEAR/WHITE HEAT STABILIZED 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

Signature Printable Polyesters

Printable Polyesters

| Premium Permanent | |
|-------------------|--|
| SP5 | Premium Permanent, moderate tack, good low surface energy adhesion |
| SP9 | Black Premium Permanent, balanced properties |
| SP25 | Premium Permanent, moderate tack, good low surface energy adhesion |
| SP50 | White Premium Permanent, high tack, excellent added opacity |
| SP58 | Gray Premium Permanent, balanced properties |
| SP56 | Premium Permanent, high tack, excellent low surface energy adhesion, good low temperature adhesion |
| LSE | Premium Permanent, high tack, excellent low surface energy adhesion, good low temperature adhesion |
| HP1 | High Performance Permanent, balanced properties, excellent heat resistance, resistance to wide range of chemicals |
| HP2 | High Performance Permanent, high peel, quick tack, resistance to a wide range of chemicals |
| HPLSE | High Performance Permanent, high tack, excellent heat resistance, excellent low surface adhesion, resistance to wide range |

| Permanent | |
|-------------|---|
| PE3 | Permanent, balanced properties, general purpose |
| PE18 | Permanent, high shear, general purpose |
| PE21 | Permanent, high tack, excellent low surface energy adhesion, good low temp adhesion |
| FGOL | Premium Removable, high peel removable, carpet adhesive, no adhesion build |
| SP1 | General Purpose, balanced properties, good heat resistance, general purpose |

| Removable | |
|------------|--|
| RE3 | Removable, low tack, no adhesion build |
| RE5 | Removable, moderate tack, stable peel |

| Premium Removable | |
|-------------------|--|
| 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 |

| 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 Metalized Polyesters

Signature Custom Formulations

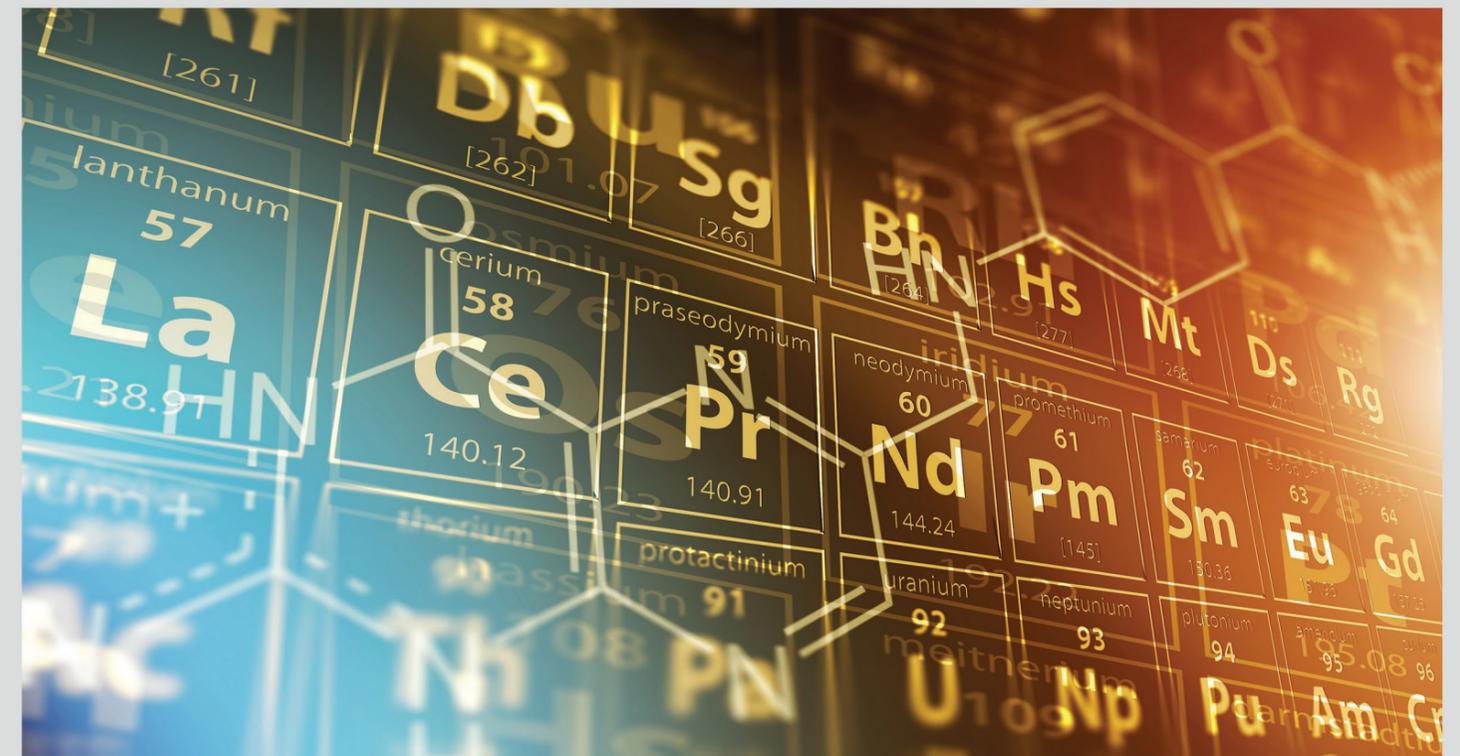
Metalized Polyesters

| 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.



Signature Floor Graphics

Signature Barrier Film & Overlaminates

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

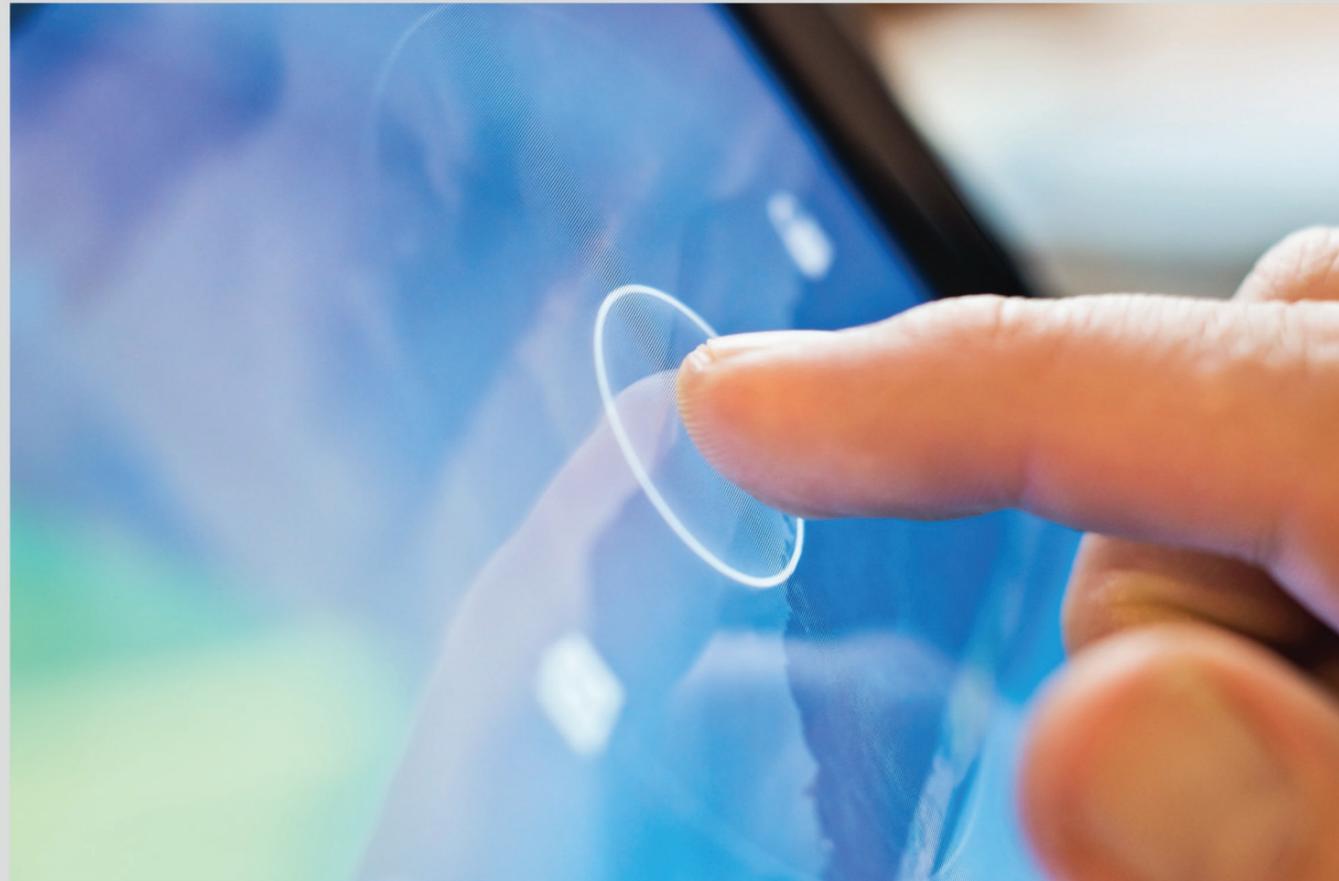
Signature Mounting Films

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" |

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" |