

*Film Adhesives,  
Face & Liner Materials*



**GPA<sup>®</sup>**

*Specialty Substrate Solutions*

800-395-9000 • [www.askgpa.com](http://www.askgpa.com)

# Pressure Sensitive Film Adhesives

Pressure Sensitive Film Adhesives are coatings that bond a substrate, with the application of pressure, to the application surface (without the use of glue, water or heat).

## General Adhesive Facts

- The larger the finished piece the lower the degree of removability.
- Small pieces with ultra removable adhesive may have trouble adhering.
- Standard adhesives function best at room temperature.
- After applying a pressure sensitive piece, allow several hours at a moderate temperature for the bond to mature.
- Removal of permanent adhesive products may result in the destruction of the facstock substrate, application surface or adhesive transfer/residue.
- Always test any product on the application surface under the exact conditions that it will be exposed to before printing or converting.
- Over time, removable adhesive will become permanent.
- Adhesives have two separate temperature ratings:

**Application Temperature:** The temperature of the application surface, at the time of application. Adhesives have a minimum application temperature and should be tested on the substrate under the application conditions.

**Service Temperature:** The temperature range that a pressure sensitive label will perform, after a 24 hour residence time on the substrate. The range is expressed in degrees Fahrenheit or Celsius.

These adhesive descriptions are for reference and should be used only as a guide. For detailed adhesive information and technical specifications, contact GPA Customer Service at 800-395-9000.

GPA recommends that you fully test any adhesive on the application surface prior to production and application.



## **Other Adhesives**

GPA also offers other adhesives designed for specific applications or substrates. Contact GPA at 800-395-9000 for more information and availability:

- *Direct Food Contact Adhesives*
- *Archival Adhesives*
- *Cold Temperature (Freezer Grade) Adhesives*
- *Chemical Resistant Adhesives*
- *Pharmaceutical & Health Care Adhesives*

## **Ultra Film® Adhesives**

Ultra Film® offers pressure sensitive adhesives for a variety of applications and substrate types.



### ● **Permanent Adhesive**

*A general purpose acrylic-based emulsion adhesive that tests excellent in performance on surfaces including corrugated, glass, metal, wood and many plastics. Ideal for a broad range of applications and labeling under most standard application conditions.*

### ● **Extra Permanent Adhesive**

*A high tack acrylic-based solvent adhesive formulated to offer great initial tack which allows faster adhesion and a stronger bond. This adhesive is designed for excellent performance on low energy surfaces (i.e. low density polyethylene) and powder coated metals.*

### ● **Textured Surface Adhesive (TSA)**

*A double coat weight of a high tack acrylic-based solvent adhesive that allows for cold flow ("oozing") into the grooves of textured application surfaces.*

These adhesive descriptions are for reference and should be used only as a guide. For detailed adhesive information and technical specifications, contact GPA Customer Service at 800-395-9000.

GPA recommends that you fully test any adhesive on the application surface prior to production and application.



## Ultra Film® Adhesives Continued...



- **Removable Adhesive**

*A general purpose acrylic-based emulsion adhesive suitable for use on a variety of substrates. Designed for applications that require removability within a specified period of time without damage to the application surface. This removable adhesive demonstrates good aging characteristics and shrink resistance.*

- **Low Peel/Repositionable Adhesive**

*An acrylic-based emulsion ultra-low peel adhesive that has high cohesive strength. This adhesive allows for clean removability for up to 12 months off of many application surfaces, including glass and painted surfaces.*

These adhesive descriptions are for reference and should be used only as a guide. For detailed adhesive information and technical specifications, contact GPA Customer Service at 800-395-9000.

GPA recommends that you fully test any adhesive on the application surface prior to production and application.



# *Pressure Sensitive Films Face Materials*

## **Flexible Vinyl**

*A polyvinyl chloride with plasticizers added to enhance flexibility. Flexible Vinyl is sometimes referred to as Soft Vinyl. This material offers good outdoor durability. Flexible Vinyls are top-coated for offset printing to protect inks from plasticizer migration.*

## **Semi-Rigid Vinyl**

*A polyvinyl chloride without plasticizers which results in a "stiff" or "rigid" material. Semi-Rigid Vinyl is sometimes referred to as Hard Vinyl.*

## **Polypropylene**

*A strong, economical thin gauge plastic film which has good low temperature characteristics, tear resistance, excellent chemical resistance and high clarity.*

## **Polyester**

*A durable indoor/outdoor film having good resistance to tearing, heat, moisture, solvents, oils and many other chemicals. Polyester is available in clear, white, silver and gold.*

## **Acetate**

*A transparent cast cellulose film. Acetate offers good clarity and is easily printed and die cut.*

## **Ultra Synthetic LPA (Low Peel Adhesive)**

*A mineral enhanced polypropylene with paper-like appearance. This material offers tear and chemical resistance.*

## **Tyvek®**

*A spun-bonded polyolefin film that displays excellent dimensional stability, good tear resistance and printability. Tyvek® has a fibrous, paper-like appearance. Tyvek® is a registered trademark of DuPont®.*

## **Teslin®**

*A single-layer, highly filled microporous polyolefin film. This unique material offers extreme durability, is waterproof and features abrasion resistance. Additionally, it allows ink to penetrate the surface offering superb print definition. Teslin® is a registered trademark of PPG.*



# *Pressure Sensitive Film Liner Materials*

## **90# Poly-Coated Layflat Liner (Zero-Split)**

*A siliconized bleached kraft paper liner with zero splits and a non-printable surface. A thin layer of polypropylene helps the product remain flat even in environments where the humidity conditions change. This liner is 7 mils thick and is easily kiss-cut.*

## **8 pt. Tag Printable Liner (Zero-Split)**

*A rigid, zero split liner that offers an uncoated printable surface.*

## **83# Scored Printable Liner (Universal Split)**

*A siliconized claycoated bleach kraft paper liner with a universal mechanical score pattern (every 1 1/4"). This liner is easily removed by "cracking" and peeling it away from the adhesive and offers a printable surface.*

These descriptions are for reference and should be used only as a guide. For detailed adhesive information and technical specifications, contact GPA Customer Service at 800-395-9000.

GPA recommends that you fully test any film substrate on the application surface prior to production and application.

