

HOME & PERSONAL CARE FILMS MATERIAL INFORMATION GUIDE

UPM Raflatac offers an industry-leading range of film label face materials, adhesives and liners. This guide is designed to help you select the optimal combination of face material and adhesive for your particular application.

Choose your face material based on container type



**Rigid
containers**

- Rigid films are a suitable choice for many rigid containers
- A no-label look is often desired due to a growing trend for transparent containers



**Semi-
squeezable
containers**

- Require a film with reduced rigidity to provide conformability to wrap around contours and resist edge-lifting
- Conformability often needs to be combined with a no-label look



**Squeezable
containers**

- Excellent flexibility required to take repeated squeezing without dimensional distortion, warped print and creased labels
- Round and curved shapes, thin walls.

CONFORMABILITY, SQUEEZABILITY >

**Vanish™
& PET**

Ultra-clear PET face paired with an ultra-clear adhesive that provides a seamless no-label look. Vanish post-consumer-recycled PET liner offers our partners the market's only clear film solution containing PCR content for a no-label look. It is SCS certified as containing 90% PCR content.

PP

Stronger and more resistant to delamination and stretching. Robust performance in demanding applications.

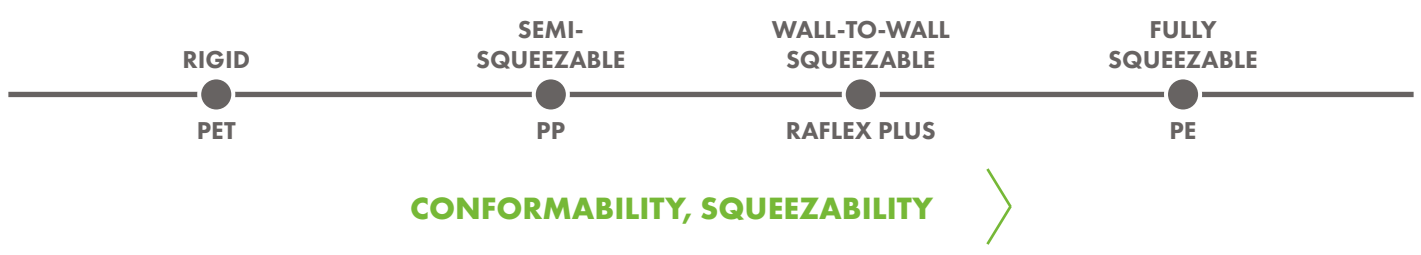
**Raflex
Plus**

When PP is too rigid, Raflex Plus provides conformability and a no-label look in one product.

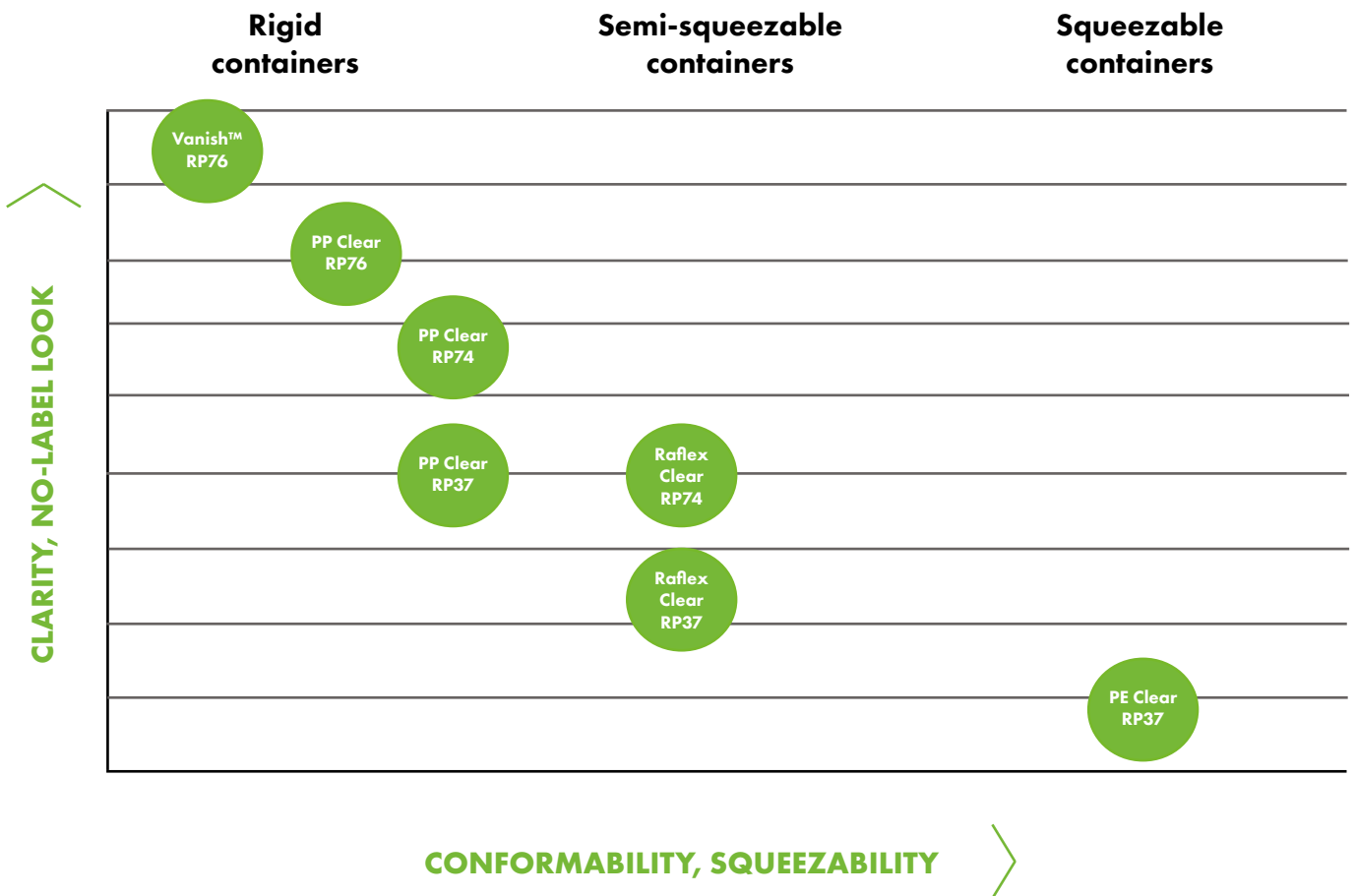
PE 85

Our most conformable film that flexes with the container when squeezed and performs well under various demanding conditions. Available in clear and white finishes.

< CLARITY, NO-LABEL LOOK



Material and adhesive combinations for an optimized no-label look



STANDARD FILMS ADHESIVES OPTIONS

RP37

An emulsion acrylic clear permanent adhesive is ideal for standard home and personal care end-uses when higher initial tack is required. RP37 offers excellent wet-out properties, clarity and UV stability. It is UPM Raflatac's top-selling general purpose film adhesive. However, RP37 is not recommended on clear face materials where warm water resistance is required, on damp surfaces, or on thin films.

RP76

RP76, a water-resistant permanent adhesive, is the right choice for those demanding, no-label look applications when the substrate will be exposed to moisture, such as PET and glass containers in the home and personal care market. Designed for thin film applications, RP76 offers excellent wet stick and passes the 72-hour ice chest test. Characterized by excellent wet-out properties and high optical clarity while adhering to a variety of substrates, RP76 also performs well on smooth PET bottles without complex curves. RP76 is not recommended for textured surfaces. Additionally, when applied to wet surfaces, some blush will be seen but will fade in intensity over time.

RP74

RP74 is a clear permanent adhesive designed specifically for thin film face materials in home and personal care end-uses. It offers good open time on HDPE substrates, very good water resistance after application (24-72 hour dwell time) and good mandrel hold. RP74 is not recommended for damp surfaces with clear film face materials. Instead, RP76 is recommended. However, it is acceptable with white film face stocks.

RW85C PET WASH-OFF

Our wash-off adhesive, RW85C, is an emulsion acrylic permanent adhesive designed specifically for applications where labels applied to PET containers can be washed off cleanly to allow the PET container to be recycled. When paired with certain film face materials, the Association of Plastic Recyclers (APR) has recently recognized RW85C as meeting or exceeding the APR Pressure Sensitive Adhesive Label for PET Bottles Critical Guidance Document requirements.

STANDARD LINER OPTIONS

POLYESTER (PET) LINERS

Made from clear polyester films that have been modified to allow good silicone coating. The most common thickness today is a 1.2 mil, but thicknesses can range from 0.75 to 1.5 mil in label applications. PET liners have several advantages to paper - higher tear, more consistent caliper, and high density/less compressability than any paper liner. They also provide a smoother surface for a very clear-on-clear label look.

SUPER CALENDERED KRAFT (SCK) & GLASSINE LINERS

Highly densified paper liners that have been super calendered. Glassine sheets tend to be more densified and translucent than SCK. They are typically used in roll-to-roll label applications and are good for low to moderate application speeds. They are an excellent surface for die cutting labels. These liners are typically bleached kraft (white) but can be tinted.





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