

# Low Trauma Acrylic Adhesives

Polymer Science's PS-246X and PS-247X series products utilize an innovative concept that gives our customers flexibility using a skin contact adhesive that behaves similar to a silicone gel adhesive promoting atraumatic removal with acrylate-based raw materials allowing for a more economical option in pain-free removal adhesives.

These adhesives possess characteristics such as:

- Highly Breathable
- Atraumatic Removal from the Skin
- Good Adhesion to the Skin
- Good Conformability
- No Residue Upon Removal from the Skin
- Hypoallergenic
- Biocompatibility to the Skin

## PS-246X

**Adhesion to Steel**  
- 0.406 N/25mm

**MVTR (for 24 hours)**  
- 1162 g/m<sup>2</sup>

**Shear Adhesion (475g)**  
- 84 minutes

**Adhesive Thickness**  
- 25 micron

**Recommended Sterilization**  
- Gamma

**Wear Time**  
- 1 - 3 Days

## PS-247X

**Adhesion to Steel**  
- 1.77 N/25mm

**MVTR (for 24 hours)**  
- 1080 g/m<sup>2</sup>

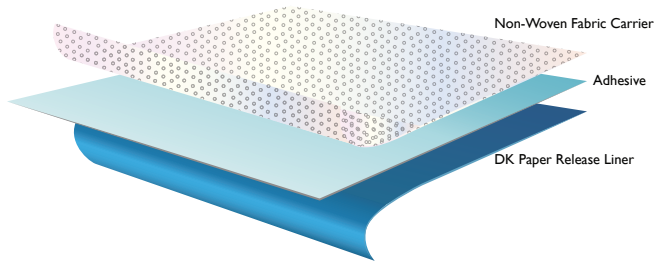
**Shear Adhesion (475g)**  
- 73 minutes

**Adhesive Thickness**  
- 25 micron

**Recommended Sterilization**  
- Gamma

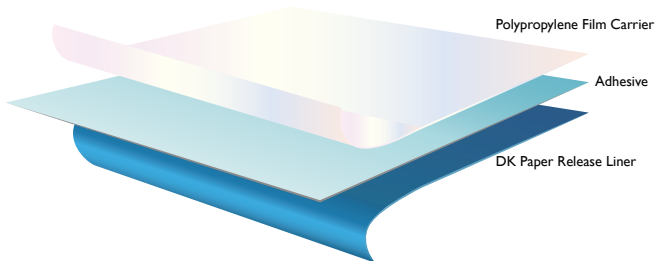
**Wear Time**  
- 1 - 3 Days

## Non - Woven Fabric Carrier



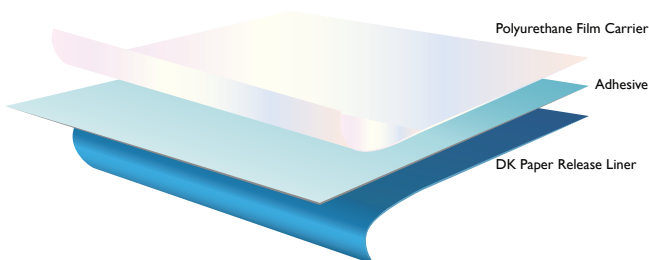
PS-2464 and PS-2474 are 25 gsm low trauma acrylic adhesives that have been coated onto a 37 gsm spun-bound polyester carrier. Each of these products are supplied with a 54# double coated dense kraft paper differential release liner.

## Polypropylene Film Carrier



PS-2463 and PS-2473 are 25 gsm low trauma acrylic adhesives that have been coated onto a 50 micron white, matte polypropylene film carrier. Each of these products are supplied with a 54# double coated dense kraft paper differential release liner.

## Polyurethane Film Carrier



PS-2462 and PS-2472 are 25 gsm low trauma acrylic adhesives that have been coated onto a 100 micron cast polyurethane film carrier. Each of these products are supplied with a 54# double coated dense kraft paper differential release liner.