

Reliable, comfortable wear. Gentle removal.

SoftWear™ skin adhesives remove gently to enhance patient comfort and minimize the risk of damage to skin upon removal. The family of SoftWear pressure-sensitive adhesives (PSAs) is available in non-silicone and silicone formulations from Adhesives Research.

SoftWear adhesives release cleanly from hair and skin with virtually painless removal to deliver secure, intimate skin contact for wound care and body-worn device applications. The sustained adhesion achieved with SoftWear adhesives allows for repositioning without compromise to dressing security.

Available in single-faced and double-faced constructions, SoftWear adhesives may be coated onto a wide range of substrates. Double-faced constructions may pair a SoftWear skin adhesive on one side, with a low-surface energy bonding adhesive on the opposite side for device mounting.

SoftWear™ Benefits

Adhesive Chemistries

- Non-silicone and silicone formulations
- ISO 10993 compliant
- Tolerant to Gamma and EtO sterilization
- Biocompatible

Wear Performance

- Low-pain removal
- Clean release from skin and hair
- Minimal edge grab
- Repositionable

Tailorable Properties

- Tailorable adhesion for wear time and activity levels
- Wear times from hours to 3 days
- MVTR occlusive to highly breathable
- Product construction and substrates



SoftWear™ gently-removing adhesives are ideal for wound care and body-worn device applications requiring wear times up to 3 days.

SoftWear™ Performance & Applications

Performance

Secure skin bonding requires higher adhesion levels to prevent edge lift. Extended wear applications are challenging due to increased exposure to skin shedding, perspiration and friction. Equally challenging is achieving the balance of secure wear and patient comfort while preventing skin damage upon removal.

An independent study was conducted to evaluate the peel strength and comfort levels upon removal of SoftWear adhesives from the upper arm of panelists' skin following 3-day wear. **Figure 1** shows that SoftWear silicone and non-silicone adhesives provide excellent skin adhesion after 3-day wear. **Figure 2** indicates there was no pain upon removal with ratings <1 on the Wong-Baker FACES® scale.

Applications & Constructions

SoftWear gentle skin adhesives provide secure adhesion to all skin types. Ideally suited for securing dressings and devices to delicate skin, SoftWear delivers comfortable wear and removal for pediatric, geriatric and compromised skin applications.

Single-Faced Products are constructed from a wide range of substrates to achieve comfortable and flexible wear. These products may be clear for easy viewing or they can be printed. Tailorable release liners provide the appropriate support required for proper application of the final product.

Single-Faced Applications

- Wound care
- Patient monitoring
- Biosensors
- IV site dressings
- Transdermal drug delivery

Double-Faced Products deliver the benefit of constructions with a gentle skin-adhesive on one side and a device mounting adhesive on the other.

Double-Faced Applications

- Infusion pumps
- Biosensors
- Patient monitoring
- Patch pumps

Device Mounting Adhesives

- Bond to low-surface energy materials
- Acrylic, rubber, silicone, hybrid chemistries
- Clean, non-cytotoxic

Figure 1

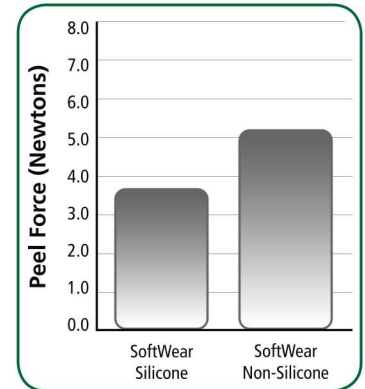
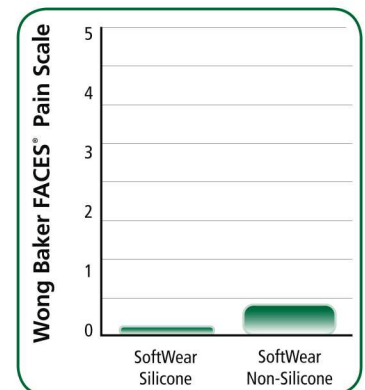


Figure 2




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