

Medical Adhesives

Properties and Applications



Silicone Gels

Pressure sensitive adhesives based on a cross-linked polymer network, they are formulated to create a strong but flexible cohesive layer to allow for gentle removal from the skin.

Typical application

- Advanced wound care
- Low trauma fixation
- Personal care
- Med device fixation
- Health & beauty aids

Unique Features

- Safe for direct wound contact
- Low trauma
- Short-medium wear time

Adhesion

LOW-MEDIUM

Breathability

LOW

Absorption

NONE

Cooling



Sterilization



ETO

Repositionable



Polyurethane Gels

Polymer based pressure sensitive adhesives that are made by combining prepolymer and curative components. The mixing ratio controls the adhesive softness which contributes to the skin adhesion level.



Adhesion

LOW-MEDIUM

Breathability

HIGH

Absorption

NONE

Cooling



Sterilization



GAMMA

E-BEAM

ETO

Repositionable



Typical application

- Advanced wound care
- First aid
- IV securement
- Med device fixation
- NPWT drapes

Unique Features

- Safe for direct wound contact
- Low trauma
- Short-medium wear time



Hydrocolloids

Elastomeric polymer based pressure sensitive adhesive containing ingredients including plasticizer, tackifier and absorbent/gel forming agent.

Typical application

- Advanced wound care
- Ostomy
- Med device fixation
- First aid & foot care
- Health & beauty aids

Unique Features

- Safe for direct wound contact
- Adhere to both moist and dry site
- Short-long wear time
- Promotes moist wound healing

Adhesion

MEDIUM-HIGH

Breathability

LOW-MEDIUM

Absorption

LOW-HIGH

Cooling



Sterilization



GAMMA

E-BEAM

Repositionable



Acrylics

Polymer based pressure sensitive adhesives that can be formulated with a wide range of molecular weight, branching, and functional groups within the polymer network that cater to specific skin adhesive applications.



Adhesion

LOW-HIGH

Breathability

MEDIUM-HIGH

Absorption

NONE

Cooling



Sterilization



GAMMA

E-BEAM

ETO

Repositionable



Typical application

- NPWT drapes
- Med device fixation
- AWC & dressing borders
- Ostomy
- IV securement
- First aid

Unique Features

- Safe for direct wound contact
- Short-long wear time

DISCLAIMER: All content found on our website, including images, videos, infographics, whitepapers, blog posts and texts were created solely for informational purposes. Our content should never be used for the purpose of diagnosis or treatment of any medical conditions. Content in this infographic is not meant to be used as a substitute for advice from a certified medical professional. Reliance on the information provided on our website as a basis for patient treatment is solely at your own risk. We urge all our readers to always consult a physician or a certified medical professional before trying or using a new medical product.