

Benefits

- H-502 hydrogel-free skin contact adhesive (transfer tape) engineered for short-term wear (3 days) for medical device attachment (electrodes or sensors) demonstrates minimal skin irritation as compared to hydrogel electrodes
- Product performance is not affected by humidity
- Patented Flexcon® Omni-Wave™ technology
- Association for Advancement of Medical Instrumentation (AAMI) compliant
- Passes ISO 10993-10 (biological evaluation of medical devices) for sensitization and irritation

Features

- 2.0 mil black transfer adhesive
- Hydrogel-free skin contact adhesive (transfer tape) engineered for short-term wear (3 days) for medical device attachment (electrodes or sensors) demonstrates minimal skin irritation as compared to hydrogel electrodes
- Conductive adhesive layer allows electronics to send and receive waveform signals between the connected surfaces
- Product performance is not affected by humidity
- 1.5 mil ultra-smooth polyester release liner provides ultimate smoothness and flow-out of adhesive, and is ideal for roll-form converting
- 44 lb. polycoated natural Kraft release liner ideal for roll-form converting

Additional Details

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Technical Data

Physical Properties

| Thickness (Mils [microns]) | Mils | Microns |
|----------------------------|-----------------|-------------|
| Film | | |
| Adhesive | 2.0-2.2 +/- 0.1 | 51-56 +/- 3 |
| Liner | 3.0 +/- 10% | 76 |

Test Method: ASTM D 3652 (Modified for use with non-tape products)

Skin Contact Applications: Electrodes & Wearables Hydrogel-Free Bio-Signal Sensing Transfer Tape
FLX068983

Adhesion Properties

| Ultimate Peel from | Average Oz/In | (N/m) |
|--------------------|---------------|-------|
| Stainless Steel | 13 | 143 |

Test Method: ASTM D 903 (Modified for 72 hour dwell time)

| Additional Properties | Value | Test Method |
|---------------------------------|--|---|
| Expected Shear | 2 | ASTM D 3654 Method A (1 hr. dwell, 1 sq. in. surface, 4 lb. load) |
| Tack | 340 | ASTM D 2979 |
| Expected Exterior Life | | |
| Additional Information | Electrical Properties: Z-Direction Resistance Less than 20 Ohms/in ² , Surface Resistivity: Less than 200 Ohms/square | |
| Service Temperature | | |
| Minimum Application Temperature | | |
| Storage Stability | Three years stored at 73°F (23°C) and 50% relative humidity in the original packaging | |

Product Performance and Suitability

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