

ARcare® electrically conductive pressure-sensitive adhesives are at the forefront of technology featuring our homogeneous conductive adhesive technology. They offer strong, reliable bonds while providing stable and consistent electrical interconnection, even under mechanical and environmental stress. Our pressure-sensitive electrically conductive adhesives increase the functionality of your product by delivering the essential bonding and conductive properties you need.

Benefits of Electrically Conductive Adhesives:

- Enable electrical conductivity between or across adhesive bonds.
*excellent and tailorable X,Y,Z conductivity.
- Bonds instantly to form thin, uniform, permanent bond line.
*form precise electrical interconnections.
- Demonstrate consistent electrical conductivity in variable temperature and humidity environments.
- Available as ink receptive films providing high tensile strength, pinhole free and low shrink properties.
- Easy, clean application to a variety of materials, including low surface energy materials.
- Provide reliable bonds with excellent cold drop performance and shock resistance.
- Easily die-cuttable.

Tailorable Properties

ARcare electrically conductive adhesives can be customized by modifying the adhesive chemistry, forms and constructions, adhesive thickness and release liner selection to meet your specific needs.

- Carbon-filled adhesive matrix.
- Carbon-filled and metal-filled adhesive matrix.
- Carbon and silver embedded composites for X-Y versus Z conductivity control.
- Conductive films and laminates.

Applications

- Skin friendly adhesive system for body worn devices.
- Electrochemical biosensors.
- Electrodes: TENS, ECG, EE, Defibrillators.
- Iontophoretic transdermal delivery systems.
- Displays and touchscreens.



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