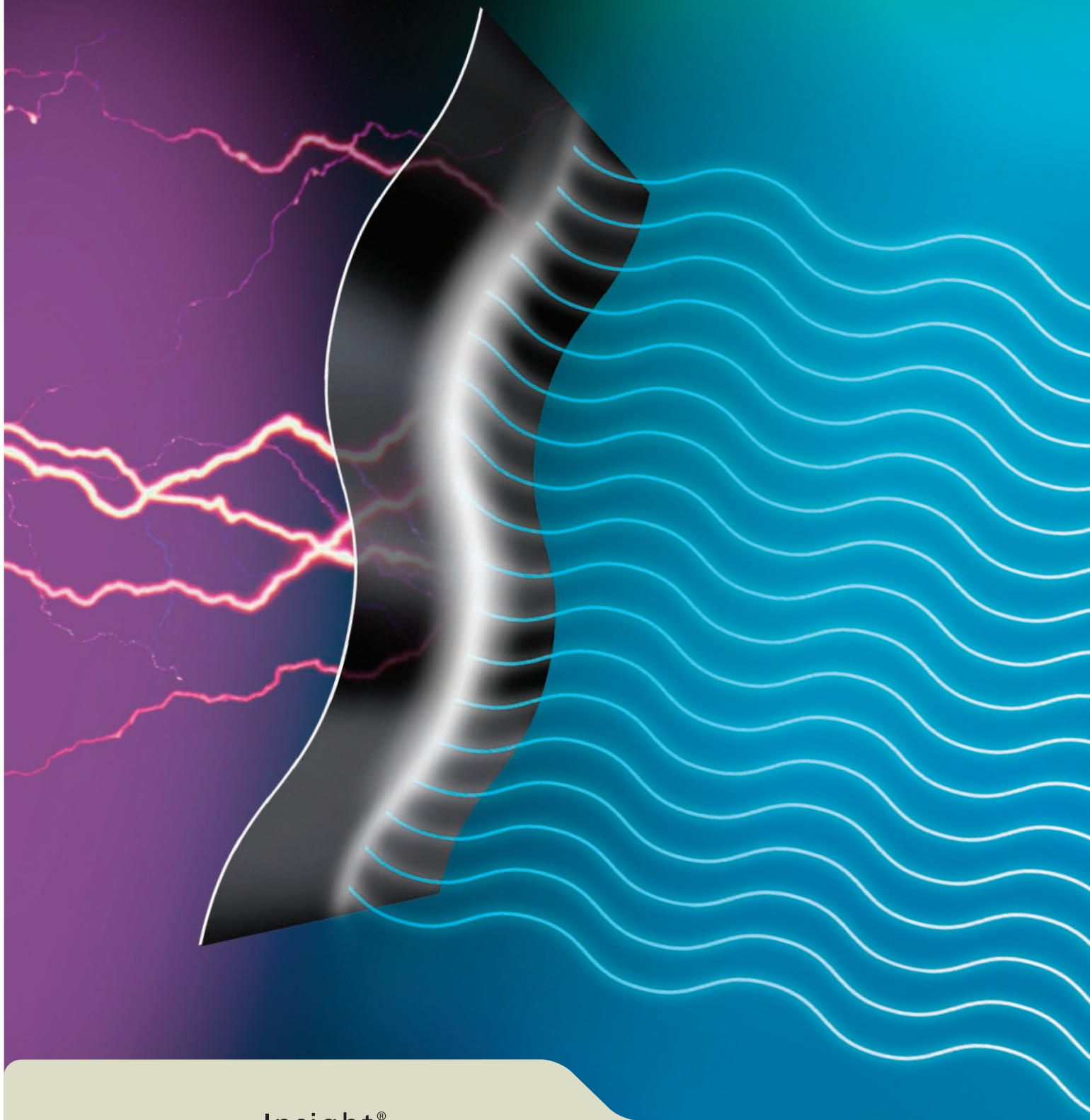


Insight[®] on **Electrically Conductive
Adhesive Technologies**



Insight[®]
Adhesives Research

Taking your products further.

Adhesives Research has been designing, developing, and manufacturing leading-edge, electrically conductive adhesive products for more than 20 years. Each design challenge we solve broadens our technology portfolio to benefit your project.

Our Insight® and experience enable us to be a great problem-solver, a proven innovator, and a valuable partner to our clients in the electronics, medical, and pharmaceutical industries.

While other companies ask you to choose from off-the-shelf solutions to solve your singularly complex problem, Adhesives Research works with you to develop the precise electrically conductive pressure-sensitive products needed for your project.



Adhesives Research is a world leader in electrically conductive pressure-sensitive adhesive products.

Our electrically conductive pressure-sensitive adhesives offer strong, reliable bonds while providing a consistent electrical interconnection. Our products:

- Feature homogeneous conductive adhesive technology for new levels of stability and consistency.
- Provide reliable electrical contact without pressure.
- Combine excellent bond strength with stable conductivity, even under mechanical and environmental stress.
- May be customized by modifying adhesive chemistry, forms and constructions, adhesive thickness, and release liner selection to meet your specific and unique needs.
- Can be manufactured into wide format rolls and laminates, single- and double-coated tapes, sheets, and die-cut parts.

With Adhesives Research as your partner, the final product is an electrically conductive adhesive precisely tailored to your specifications. We bring you the innovation essential to a successful product launch.

our technology provides the following advantages:

- Excellent and tailorable X,Y, Z conductivity
- Ambient temperature bonding
- Stable temperature performance
- Thin, uniform bond line
- Permanent bonds
- Easy, clean application
- Bonds instantly
- Easily die-cuttable

offering increased functionality...

Our pressure-sensitive electrically conductive adhesives increase the functionality of your product by delivering the essential bonding and conductive properties you need. Specifically, they:

- Enable electrical conductivity between or across adhesive bonds.
- Form precise electrical interconnections.
- Offer tailorable volume and surface resistance.
- Demonstrate consistent electrical conductivity in variable temperature and humidity conditions.
- Are designed to be compatible with other materials, including low surface energy materials.
- Enable smaller designs through thin, effective bonds.
- Provide reliable bonds with strong cold drop performance and shock resistance.



...and proven performance in a range of applications.

Our pressure-sensitive adhesives are used in the electronics field for electrical interconnection and assembly; EMI/RFI shielding and grounding; and static dissipation and control.

We also offer skin-friendly conductive adhesives for medical and pharmaceutical applications.

Some markets and products where Adhesives Research's electrically conductive technology is used include:

Electronics:

- Displays and touchscreens
- Mobile phones
- PDAs
- Computers
- Static dissipative labels
- Automotive electronics
- Robotics
- Satellites and aerospace

Medical and Pharmaceutical:

- Electrochemical diagnostic devices
- Electrodes (including TENS, ECG, EEG and defibrillators)
- Biosensors
- Iontophoretic transdermal drug delivery systems



put our experience to work for you.

Contact us to see how the reliable bond strength, stable conductivity, and design flexibility offered by our electrically conductive adhesives can take your product further.

electrically conductive adhesive technologies

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



Insight® Adhesives Research

An independent developer and manufacturer of pressure-sensitive adhesives, tapes, specialty films, coatings, and laminates.

www.adhesivesresearch.com



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