

3M™ THERMAL MATERIALS



In addition to being a Select Converter for adhesives, we also have access to and offer 3M™'s line of premium thermal & electrically conductive tapes and materials.

Thermally Conductive Adhesive Transfer Tape (TCATT)

Thermally Conductive Double Coated (sided) Tape

Thermally Conductive Pads

Thermal Bonding Films

Electrically Conductive Adhesive Transfer Tape (ECATT)

EMI Absorbers

THERMALLY CONDUCTIVE ADHESIVE TRANSFER (TCATT)



3M™ Thermally Conductive Adhesive Transfer

Tapes are designed to provide a preferential heat-transfer path between heat-generating components and heat sinks or other cooling devices (e.g., fans, heat spreaders or heat pipes).

Available Styles: 8805, 8810, 8815, 8820, 9882, 9890

THERMALLY CONDUCTIVE DOUBLE COATED (SIDED) TAPE



3M™ Tape Series 8926 is designed with a soft acrylic polymer and multiple thickness options to allow excellent wet-out or conformability to many surfaces.

Available Styles: 8926

8926 Series Tape

THERMALLY CONDUCTIVE PADS



3M™ Thermal Transfer Pads are soft and conformable

to provide maximum wet out for effective heat transfer and vibration damping for your most demanding thermal applications such as LED and consumer electronic device assembly.

3M™ acrylic thermal gap pads have a unique surface tack that enables pre-positioning in multi-layer lamination applications. Available in silicone and acrylic formulations, both thermal gap fillers provide excellent handling capabilities and can be die cut to fit most applications.

Silicone Styles: 5514, 5515, 5516, 5516S, 5519, 5549S, 5591, 5583S, 5592, 5586, 5595S

Acrylic Styles: 5589H, 5590H

Thermally Conductive Pads Product Lineup

ELECTRICALLY CONDUCTIVE ADHESIVE TRANSFER TAPE (ECATT)



3M™ Electrically Conductive Adhesive Transfer

Tapes eliminate the need for secondary grounding solutions like screws and fasteners. EMI shielding tape offers design flexibility, improved antenna performance, reduced cross talk and enhanced ESD protection.

3M™ Tape Products offer more reliable electrical connections and outshine other EMI shielding materials in lowered contact resistance, better Signal to Noise ratio and decreased high frequency data error rates.

Available Styles: 7772, 7805, 7850, 9703, 9704, 9705, 9713, 9719, 9720, 9723, 9725, 9732, 9760, 9764, 9780

ECATT Product Lineup

ANISOTROPIC ELECTRICALLY CONDUCTIVE BOND FILMS (ACF)



3M™ Anisotropic Conductive Film can be used to replace soldering and mechanical fasteners in applications such as flex circuit to PCB, flex circuit to flex circuit and flex circuit to glass panels to reduce assembly time and enable thin device designs.

3M™ Anisotropic Conductive Film is a heat bondable anisotropic conductive tape that is used to mechanically and electrically connect flex circuits in the vertical direction while providing complete insulation horizontally. Product reliability, long shelf life, global technical support and US manufacturing make 3M the preferred anisotropic conductive adhesive.

Available Styles: 5363, 7303, 7371, 7376, 7379

Anisotropic Film Product Lineup

EMI ABSORBERS



3M™ EMI Absorbers are designed to absorb electromagnetic/radio frequency interference in the broadband range which improves

antenna performance, data flex performance, high speed communication and increases signal integrity (s/n ratio).

3M™ rf and microwave absorbers are thin, flexible EMI suppression sheets backed with adhesive that come in different constructions designed for a broad variety of electronic devices and assemblies. Reduce EMI noise levels within a device by applying 3M EMI absorbers to noisy traces, ICs and reflective surfaces in an enclosure.

Available Styles: AB5000HF Series, AB6000HF Series, AB7000HF Series

EMI Absorbers Product Lineup

THERMAL BONDING FILMS



3M™ Thermal Bonding Films are heat activated bonding films ideal for low temperature bonding applications, such as bonding flex antenna and metal face plates to the chassis . It works on a variety of substrates, is reworkable and demonstrates excellent performance in drop tests.

3M™ has developed partnerships with bonding equipment suppliers who can custom design and build bonding cavities. Our global technical experts are available to help optimize your thermal bonding film die cut design and assembly processes.

Available Styles: 583, 588, 406, AF-42, AF-111

Thermal Bonding Films Product Lineup

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