

Adhesive Specialities

An ISO 9001:2018 Certified Company

Manufacturer of Specialized adhesive tapes and die cuts

Tapes for Electronics Industry

Adhesive Specialities was a dream incorporated in 2001 by like-minded people to become a preferred manufacturer of Sun Brand Pressure Sensitive Adhesive Tapes with a 100% commitment to quality and reliability.

The journey over the years has helped us excel in offering customized solutions according to industry and customer-specific needs. The company's 60,000 sq.ft. constructed areas are an ISO certified and ROHS compliant facility equipped with three coating lines, auto rewinding & slitting machines which are well-supported with the state-of-the-art testing and R&D laboratory, die-cut making section, inhouse adhesive making facility and a well-trained work force.

Adhesive Specialities offers a range of adhesive tapes for smart phones, mobile phones, tablets, computers, cameras, smart cards, displays, monitors, television and more. Needing to protect component parts from gasketing, overheating, reducing friction, static and EMI/RFI shielding. Applications as follows

- Component mounting
- EMI/RFI Shielding and grounding
- Film and foil lamination
- Gasket mounting or bonding
- Glass and frame mounting
- Heat management
- LCD and display cushioning
- Lens and touch panels mounting
- Light management and masking
- Mailing labels
- Masking
- Optically clear lamination of touch panels
- Permanent chip attachment
- Reflector and optical sheet bonding
- Shielding and grounding

Polyimide Tape

Applications and features:

- ❖ Wide temperature range as low as -269°C and as high as 400 C
- ❖ Excellent dielectric strength
- ❖ Remove cleanly leaving no residue
- ❖ Very high temperature mask during powder coating, anodizing, etching applications.
- ❖ Ideal for wave soldering
- ❖ Used in automobile industry for wrapping switches, diaphragms, manifolds, sensors and coils in seat heaters.
- ❖ Used to mask circuit board
- ❖ In circuit board construction
- ❖ In aerospace industry for insulation of aircraft and spacecraft wings.
- ❖ Very high temperature mask during powder coating & anodizing applications.

Applications and features:

- ❖ In electrical applications where static is an issue.
- ❖ In Fiber Optics Cable
- ❖ In semiconductor manufacturing
- ❖ In 3D printing
- ❖ Available with silicon and acrylic adhesives.
- ❖ Thickness: 1mil ,2mil film
- ❖ Available in in die cut and roll forms



Polyimide Film



Applications and Features:

Polyimide film is available in 1 mil and 2 mil thicknesses.

Resistant to chemicals.

Temperature resistance $-269\text{ }^{\circ}\text{C}$ to $350\text{ }^{\circ}\text{C}$.

Ideal insulating material for use with high voltage application.

Suitable for battery insulation.

Insulating copper conductor.

For curing composite.

Used in the electronics industry for flexible cables and as an insulating film on magnet wire.

Used in 3D printing

Polyester Tape-Powder Coating Tape

Application and Features:

- ❖ High grade Silicon adhesive
- ❖ Moisture resistant
- ❖ Chemicals and solvents resistant
- ❖ Abrasion resistant
- ❖ Good shear resistant
- ❖ Outstanding dielectric strength
- ❖ Clean removal without residue
- ❖ Outstanding dielectric strength
- ❖ High tack
- ❖ Excellent ageing and weathering properties
- ❖ Used as high Temperature Masking during powder coating applications, PCB manufacturing, chemical etching

Application and features:

- ❖ In aerospace field for flash breaker
- ❖ Splicing of silicon coated paper
- ❖ Available in Green, Blue and Red Colors
- ❖ Thickness:1 and 2mil



Double Sided Polyester Tape

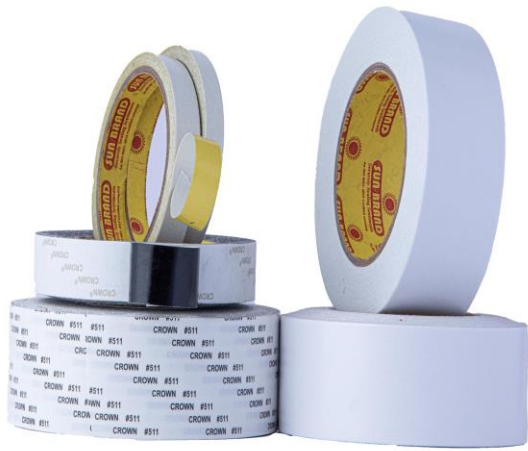


Features and applications:

- ❖ Low and High Temperature Resistant
- ❖ Ageing Resistant
- ❖ UV Resistant
- ❖ Laminating wood to fire doors during manufacture
- ❖ Assembly and fixing of point of sale material
- ❖ Core starting and splicing in manufacturing processes
- ❖ Suitable for a variety of splicing applications
- ❖ Securing soundproofing to sheet aluminum
- ❖ Used in signage industry for fixing banners
- ❖ Available 125, 160 and 205mic thicknesses

Double Sided Tissue Tape

Double Sided Tissue Tape line is lightweight tissues coated with HOTMELT and Acrylic adhesives.



Applications and features:

- ❖ General purpose applications
- ❖ The high temperature tissue tapes have anti-rebounding and anti-wrapping quality specially designed to be used in television set, earphone, loud speaker net, sound box, gift packing with smooth surfaces and led sticking application.
- ❖ Ideal for nameplate bonding, plastic film lamination/bonding, foam bonding
- ❖ Splicing
- ❖ Recommended for mounting light objects
- ❖ For securing backing and fabric in for embroidery
- ❖ Used in shoe, leather, paper, white goods industry in postal & carpet fixing jobs.
- ❖ High tack allowing for multiple usages.
- ❖ Available in 60, 80, 100 and 120mic

Antistatic Tape

Applications and features:

- ❖ Anti Static Tape or ESD Grid Tape is a high performance conductive grid tape.
- ❖ Film construction: anti static co-polymer with conductive grid layer.
- ❖ Colour: Tan/Brown with black grid pattern.
- ❖ Ideal for cleanroom & static free workstations.
- ❖ For EMI shielding applications.
- ❖ Sealing of ESD bags & other ESD packaging/containers.



Acrylic Foam Tape

Features and applications:

- ❖ Bonding of similar and dissimilar surfaces
- ❖ Suitable for indoor and outdoor applications
- ❖ Alternative to screws, reverts, nails or any liquid adhesive
- ❖ Designed for high and low surface energy bonding
- ❖ Mounting heat sink, fan or heat spreader to IC packages & components.
- ❖ Special Primer is available for better bonding
- ❖ Available color and thickness: Clear -0.5mm and 1.0m
Gray-0.8mm, 1.2mm, 1.5mm and 2mm
Black-0,4mm



Wire Harness Tape

Application and features:

- ❖ Wire Harness Tape is electrical self-extinguishing soft PVC tape that uses an aggressive pressure sensitive rubber-based adhesive system.
- ❖ It has been designed for use where a recognized specification or international standard is required and where environmental safety is a concern.
- ❖ Good resistance to abrasion, corrosion and moisture.
- ❖ High dielectric strength and good mechanical protection.
- ❖ Outstanding conformability.
- ❖ Flame retardant.
- ❖ Tape can be applied at low temperature (till -10°C).
- ❖ Hand application.
- ❖ Primary electrical insulation.
- ❖ Harnessing applications for the Automotive Industries.
- ❖ Protection for low and medium voltage cable splices



Die Cuts

Applications:

- ❖ EMI Shielding
- ❖ Flex Connectors
- ❖ Thermal Management
- ❖ Foil tapes
- ❖ Masking Discs
- ❖ Solar panel Tapes
- ❖ Electroplating, anodizing
- ❖ Polyimide die cuts
- ❖ Sand blast masking
- ❖ Masking during paint applications
- ❖ Antistatic masking
- ❖ Die cut frames
- ❖ Speciality shapes
- ❖ Polyester die cuts
- ❖ Vin Plate masking
- ❖ Insulated pre forms
- ❖ Powder coat masking
- ❖ Foam die cuts
- ❖ Copper pre forms

Copper Foil Tape

Applications and features:

- ❖ Copper foil tape is a flexible copper foil coated with high conductive adhesive & comes with release liner.
- ❖ Ideal for EMI/RFI shielding & as well as shielding of all non-conductive materials & electrical grounding.
- ❖ Excellent for soldering application & for anti-static floors (ESD floors).
- ❖ Can be used as electrical connection between surfaces & cable shielding.
- ❖ Available in roll & die-cut forms



Cellulose Tape

Cellulose Tape, produced from biodegradable cellophane film. Its reputation in the market is achieved from the high quality film which is easy to be torn by hand as well as the efficient rubber-based adhesive coating.

Application and Features

- ❖ Ideal for general sealing, packing, fixing applications.
- ❖ Excellent for L-clip closure, attaching,
- ❖ Ideal for light packaging, sealing and s
- ❖ Used for masking in graphic designers
- ❖ Uses where biodegradable tape is required.
- ❖ Available in shrink pack, paper box, and tin box.



Masking Tape General Purpose and High Temperature



Applications and features:

- ❖ Adhesive Specialities offers a wide range of choice in crepe paper masking tapes.
- ❖ Temperature range 60 C to 180 C celc
- ❖ General purpose
- ❖ Industrial applications.
- ❖ Automotive industry.
- ❖ Chemical resistant & high temperature masking solutions.
- ❖ Masking for indoor painting.
- ❖ Masking in furniture industry.

Coloured Polyester Tape



Application and features:

- ❖ Adhesive Specialities polyester electrical tape is apt for insulation applications requiring thin and durable materials with high dielectric strength.
- ❖ Chemical, solvent and moisture resistant.
- ❖ Flame retardant.
- ❖ Used in core, layer and final insulation of coils and oil-filled transformers.
- ❖ General electrical insulation requiring high impact and tensile strength.
- ❖ Available in a range of colours and thicknesses.
- ❖ Available with acrylic or thermosetting rubber adhesives.

Margin Tape



Application and features:

- ❖ Margin tape is a tape processed using 0.25mm composite polyester thick film with acrylic adhesive on single side. The tapes come in a width ranging from 3 mm to 720 mm, white color. These tapes serve a variety of industry especially Electronic and allied industry.
- ❖ Margin tape is also known as composite tape or barrier tape in the market.
- ❖ Used for coil wrapping, transformers & electrical motors.
- ❖ Available in 3.0 mm width onwards.

Mica Tape



Applications and Features:

- ❖ Mica Tape consist of phlogopite mica paper integrated with high quality silicon resin and reinforced with glass cloth.
- ❖ High thermal resistance – good fire resistance.
- ❖ Non-flammable, does not contain asbestos, does not produce toxic gases.
- ❖ Very good resistance to electrical breakdown and corona discharge.
- ❖ Excellent tensile strength, anti-shock.
- ❖ Insulation of electrical cables and coils.
- ❖ Inter-cell thermal insulation in battery packs, multi-storey buildings, Power stations, Industry plants, Subways, computer centres, aerospace units, telecommunication centres, ships & military facilities.

Eva Foam Tape



Application and features:

- ❖ Suitable for temporary mounting and bonding purpose
- ❖ EVA emulsions are developed into adhesives which are then used in bookbinding, packaging, bonding metal surfaces, and plastic firms.
- ❖ In sport shoes to absorb impact shock.
- ❖ Used in white good industry
- ❖ Available in 1.0 and 2.0mm thicknesses
- ❖ Available in roll and die cuts

PE Foam Tape

We provide the best range of Single sided coated and double side coated PE Foam Tapes with Hotmelt and Acrylic adhesives. Different available



Applications and Features:

- ❖ Ideal for indoor use
- ❖ Using a high-performance adhesive an economical solution to seal doors
- ❖ Conformable foam backing to compensate design tolerances or uneven surfaces
- ❖ Used in printing, hook manufacturing and skirting applications
- ❖ Does not emit toxic fumes when burnt
- ❖ Flame retardant
- ❖ Available in a variety of widths and thicknesses and one side or double sided coated.
- ❖ Permanent mounting of emblems and letters; e.g. single letters for classification of car model or engine data.
- ❖ Paper and Pe liners

Heat Activated Hotmelt



Application and features:

- ❖ Heat-activated (hot-melt) adhesive film requires a defined period of time at elevated temperatures (normally 180°F or higher) to achieve final bonding strength.
- ❖ Temperature, pressure and dwell time are used to effect a final cure and bond.
- ❖ It is very flexible and has significantly high adhesion.
- ❖ Used in splicing and sticking application in garment industry.

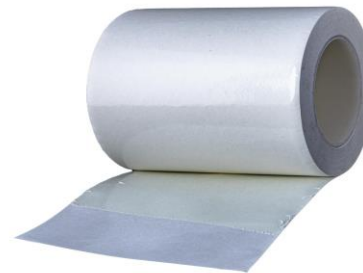
Transfer Tape

We have 50 and 130mic with acrylic adhesive, which is ideally used for commercial graphics, sticker, foam and aerospace industry

Our 100mic transfer tape is also known as Thermally conductive tapes are designed to provide preferential heat-transfer between heat-generating electronic components and cooling devices such as fans, heat sinks or heat spreaders.

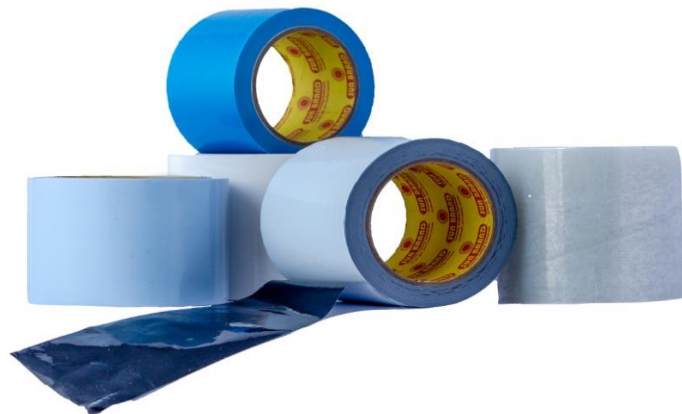
Application and features:

- ❖ Used LED and it is ideal for conducting heat from metals and plastics of heat radiation units
- ❖ Good thermal transfer
- ❖ High mechanical strength
- ❖ Improved surface wet-out for rough surface/LSE substrates
- ❖ Excellent shock performance
- ❖ Ideal for thin bonding applications
- ❖ Available thickness: 50mic and 130mics



Surface Protection Tape

Adhesive Specialities offers a wide range of surface protection tapes in order to protect surfaces from scratches, damages, dust and dirt. We can make SPT in a wide variety of adhesives like Solvent acrylic, Rubber based and Acrylic Emulsion.



Applications and features:

- ❖ Suitable for many types of the surface (Metal, glass, plastic, Optic lenses, decorative laminate, stone, carpet, coated surface like auto parts etc.)
- ❖ Works on different texture of the surface (Smooth / Glossy, Matte / Embossed).
- ❖ Range of backing material (LLDPE, PET,PVC, PE).
- ❖ External factors which might affect the surface protection tapes (UV, sunlight exposure, extreme temperatures, chemical exposure).
- ❖ Duration for which protection is required.
- ❖ Reason for protection of surface (abrasion, smudging, scratches).
- ❖ Residue free.
- ❖ . Water Resistant.
- ❖ Printing can be done as per request

Sticky Mat

Applications and features:

- ❖ Sticky Mat is dust, dirt absorbing pad to use at the clean room's entrance, walkways etc.
- ❖ Peel-off sheets eliminate the need for messy cleaning and makes it easy to maintain a clean surface.
- ❖ Traps dirt off the feet.
- ❖ To be placed at areas like automotive, aerospace, hospitals, biotech, pharmaceutical, construction, photography, warehouses, server rooms, semiconductor etc.

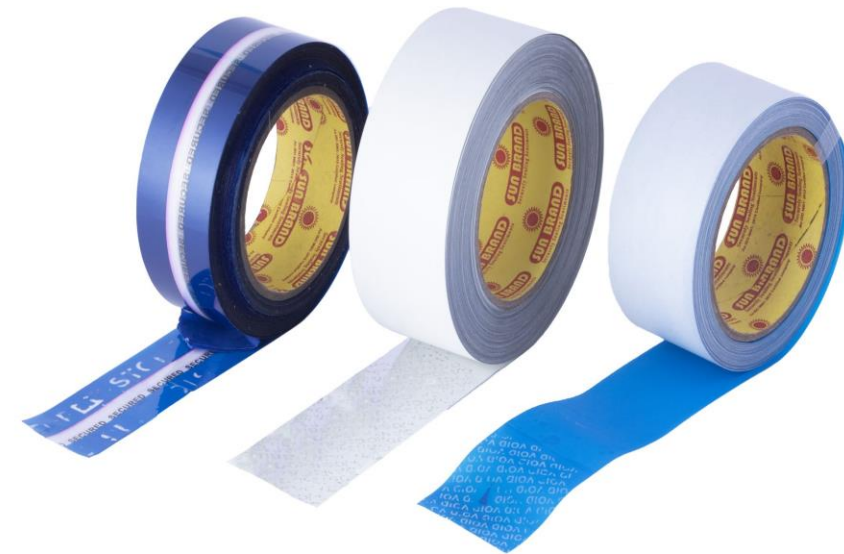


Security Tape

Security tape known as Void tape, Tamper Evident Tape, Tamper Prove Tape, Security label etc...

Applications and features:

- ❖ Secure packaging
- ❖ Shipping and logistics control, particularly for international or interstate commerce
- ❖ Software and media packaging protection
- ❖ Banking and financial security documentation



Lane Marking Tape

Lane Marking Tape known as Hazard Tapes, Floor Marking Tape, social distancing tape is with excellent adhesion, tack and good cohesion strength.



Applications and features:

- ❖ Faster & easier to install & replace
- ❖ Used for marking hazards and aisles
- ❖ Applicable to ground, walkway and pipeline winding markings.
- ❖ Suitable for Color-coding
- ❖ Excellent adhesion, tack and good cohesion strength.
- ❖ Available colours are: Yellow & Black, Black & White, Green & White, Black, Orange, Red, Green, Yellow, White, Blue