



# *Adhesive Specialities*

**An ISO 9001:2018 Certified Company**

**Manufacturer of Specialized adhesive tapes and die cuts**

*Tapes for Renewable 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 solutions meeting the extreme requirements of the oil and gas industry, energy storage systems, and renewable energy systems. The expertise of **Adhesive Specialities** includes customizing and combining films, foils, and fabrics to create solutions offering high dielectric strength, controlled permeability, chemical resistance, and superior performance in mechanically demanding applications.

Applications as follows:

- ❖ Renewable Energy
- ❖ Oil and Gas Industry
- ❖ Batteries and Energy Storage

# 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



# Aluminum Foil Tape

Adhesive Specialities provides wide range of Aluminum Foil Tapes with various adhesives like hotmelt, solvent, silicone & acrylic emulsion.



## Applications and features:

- ❖ High & low temperature resistance.
- ❖ Used for general purpose holding, patching, sealing application – indoor & outdoor.
- ❖ Suitable for joining of foil faced fiberglass or duct board joints.
- ❖ Ideal for joining & sealing in HVAC application.
- ❖ Closing of rigid air duct insulation & shafts.
- ❖ EMI/RFI shielding for motors, cables, cabinets, antennae & components (splatter masking).
- ❖ Available in 30 mic, 50 mic, 100 mic & 150 mic thicknesses.
- ❖ With and without liner

# 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



# Aluminium Fibreglass Tape (Aluglass)

## Applications and features:

- ❖ Aluminum & Fiberglass cloth backing gives excellent reflective properties for both heat & light
- ❖ High tensile strength.
- ❖ Ideal vapour barrier due to low moisture vapour transmission rate.
- ❖ Suitable for duct sealing & joining of HVAC (Heat, Ventilation & AC) systems.
- ❖ Used in duct board joint & seams; joining & sealing industrial pipes & duct insulation.
- ❖ Excellent for roofing applications like flashing, joints & insulation.



# 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

# 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.



# 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

# Cross Filament Tape



## Applications and features:

- ❖ Reinforced Polyester Film with pressure sensitive adhesive has very high tensile strength.
- ❖ Structuring of umbilical cord for marine probe
- ❖ Bending of tubes and bars
- ❖ Insulation of oil transformers
- ❖ For Holding of white goods
- ❖ General applications where tensile strength and good adhesion are required.
- ❖ Reinforcement and closing of cables
- ❖ Heavy duty packaging, strapping
- ❖ Closing of metal coils

# Monofilament Tape

## Features and Applications:

- ❖ The reinforced fiberglass yarn provides the filament tapes high tensile strength
- ❖ The PET film backing provides excellent abrasion and moisture resistance.
  - ❖ Palletizing of packaging
- ❖ Bending of tubes and bars
  - ❖ Heavy packaging
- ❖ Closing of metal coils
- ❖ Paint anchor test
- ❖ Reinforcement and closing of cables
- ❖ General applications where tensile strength and adhesion are required.
- ❖ Structuring of umbilical cord for marine probe

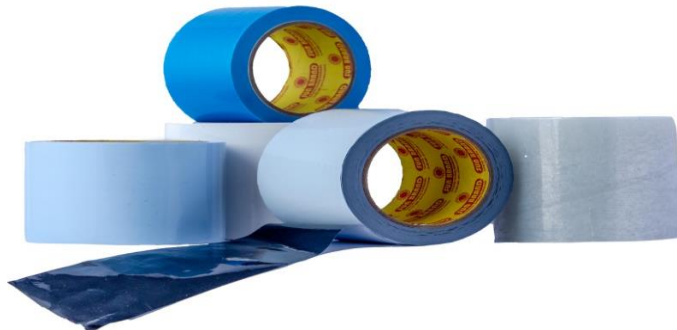


# Surface Protection Tape

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:

- ❖ Dashboard Applications
- ❖ Auto bodyguard
- ❖ Carpet Applications



## 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

# Vacuum Bag Sealing Tape

Adhesive Specialities Vacuum Bag Sealing Tapes are multi-purpose tapes designed to create strong and reliable seals.

## Applications and features:

- ❖ It is compatible with most bagging films and it is best choice for use on composites tools.
- ❖ They can be used to plug leaks and tears in a vacuum bag that can develop during the vacuum bagging process.
- ❖ Application Temperature Range: 5 °C to 45 °C.
- ❖ Service Temperature Range: from 120 °C to 204 °C.



# 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

# Polyimide Tape

## Applications and features:

- ❖ Wide temperature range as low as  $-269^{\circ}\text{C}$  and as high as  $400\text{ C}$
- ❖ 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



# Glass Cloth Tape

Glass Cloth backing is coated with high grade adhesives like acrylic, thermosetting rubber and silicone adhesives.



## Applications and features:

- ❖ Provides F or H class insulation.
- ❖ High temperature resistant ranging from 150 °C to 400 °C.
- ❖ High adhesion & abrasion resistant.
- ❖ Flame retardant property.
- ❖ High mechanical strength.
- ❖ Permanent sealing of high temperature ducts & chambers.
- ❖ Used as high temperature masking.
- ❖ Used in Aircraft window sealing & many other uses.



# 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 centers, aerospace units, telecommunication centers, ships & military facilities.

# PTFE Coated Glass Cloth Tape

## ❖ Applications and features:

- ❖ Excellent release properties due to PTFE surface and its low surface energy
- ❖ Durability in high and low temperature
- ❖ Good electric properties for insulation
- ❖ Chemical resistance
- ❖ Anti-aging properties
- ❖ Flame retardant
- ❖ Residue free
- ❖ Used in removable thermal insulation covers and pads
- ❖ Used in heat sealing machine for plastic bag sealing jobs in food and pharm industries
- ❖ Non-stick release surface for easy de-moulding in composite industry
- ❖ High temperature masking applications
- ❖ Available in 3, 5, 10mils thicknesses without and with Fluro silicon liner.



# Pure PTFE film Tape

## ❖ Applications and features:

- ❖ Chemical-resistant.
- ❖ Temperature resistant.
- ❖ General purpose roll-wrap for web processing.
- ❖ Squeaking noise reduction.
- ❖ Shielding and protecting against chemicals.
- ❖ Sorts of high temperature roller submerging, works of calefaction slab, membrane doffing.
- ❖ Cushion pasting of slippery pond, stuff funnel, aircraft mould.
- ❖ Used on platen, thermoplastic doffing module.
- ❖ Used in the fields of packing (including thermoplastic, vacuum bagging), compositing, thermoplastic seal, electronic and electric.
- ❖ Available in 80 and 130 mics.

