



SATL Solutions for Renewable Energy

adding value always



Renewable Energy

Solar energy And Wind energy

What is Solar Energy?

- Energy produced by the sun
- Clean, renewable source of energy
- Harnessed by solar collection methods such as solar cells
- Converted into usable energy such as electricity



What is Wind Energy?

- Wind is used to generate mechanical power or electricity.
- Wind turbines convert the kinetic energy in the wind into mechanical power.



Tapes Solution for Wind Energy

Double sided filmic Tape

Double Sided Filmic tape consist of a white PVC/PET backing and a High Bond Aggressive adhesive with easy removable application.

Application:

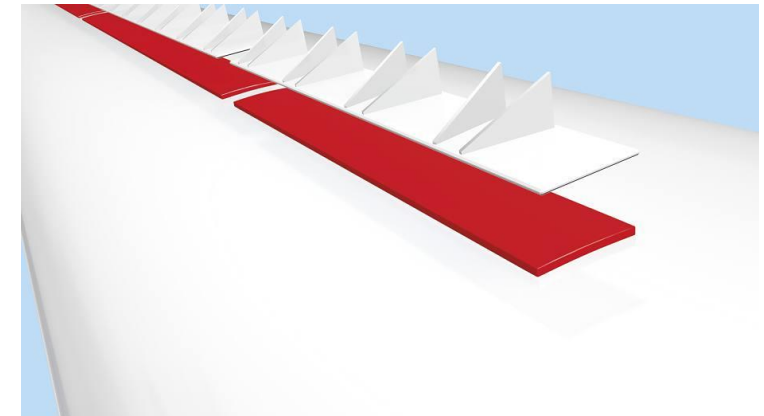
- It is used between Mold & Peel ply before the infusion Process,
- Proper Bonding to both the surface & easy removal are important criteria for this products.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DSPT-65R	Dollar Double Sided Red PET Tape	0.205mm +/- 0.05mm	Acrylic	150 Deg C
DSPVC-220	Dollar Double Sided PVC Filmic Tape	0.235mm +/- 0.02mm	Synthetic Rubber	120 Deg C
DSPET-398	Dollar Double Sided PVC Filmic Tape	0.180mm +/-0.02mm	Acrylic	150 Deg C

Credentials: Approved product for wind blade infusion process.



Flash Braker Tape

Flash Breaker tape consist Filmic backing and a Residue Free removal Adhesive.

Application:

- It is used on edges masking on mold before infusion process.
- It is also used as mold protection before lay-up on mold.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DBPT-30S	Dollar Blue Polyester Tape	0.065mm +/- 0.005mm	Silicon	180 Deg C
DBPT-25S	Dollar Blue Polyester Tape	0.050mm +/- 0.005mm	Silicon	180 Deg C
DGPT-80SD	Dollar Green Polyester tape	0.080mm +/- 0.005mm	Silicon	180 Deg C

Credentials:

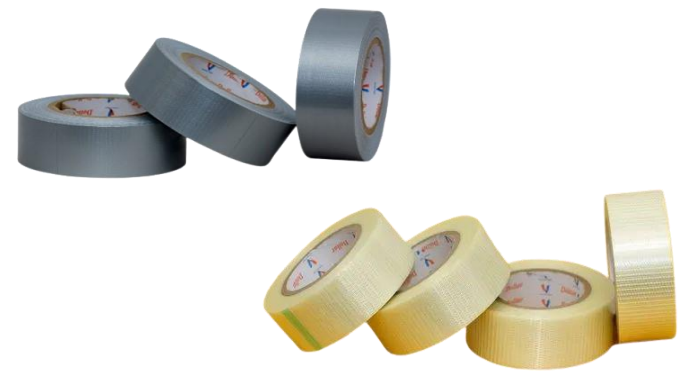


Duct Tape & Cross Filament Tape

Duct Tape is base of cotton mesh with PE lamination. Filament tape is base of PET film laminated to glass filaments. Both have a good longitudinal and transverse tensile strength.

Application:

- Used for holding the peel ply and other parts before infusion process.
- High tensile strength.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DDUCT-35G	Dollar Duct Tape	0.165mm +/- 0.10mm	Synthetic Rubber	120 Deg C
DDUCT-180G	Dollar Duct Tape Premium	0.180mm +/- 0.10mm	Synthetic Rubber	150 Deg C
DCFT-202B	Dollar Cross Filament Tape	140.0mm +/- 10.0mm	Synthetic Rubber	150 Deg C

Credentials :Available ROHS compliances.

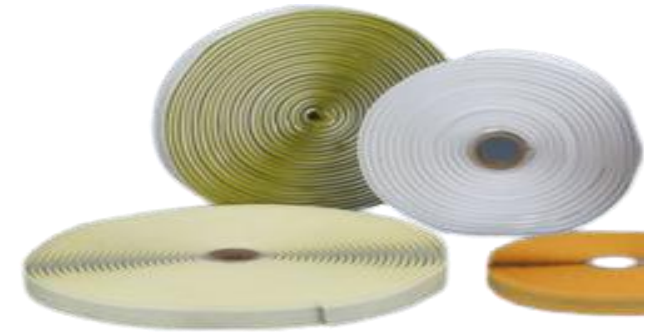


Sealant Tape/ Butyl Tape

Sealant Tape is developed for the composite and wind blade industry as vacuum bag tape for vacuum bagging operation during wind blades and composite manufacturing.

Application:

- This product as aggressive Initial tack, High reinforcing fiber to resist flow under heat and pressure.
- It will maintain an air-tight seal during the cure cycle of vacuum bag.



Product Grades

Code	Description	Thickness	Temperature
Plain Butyl	Dollar Plain Butyl	1.5 mm to 10 mm	0°C / +45°C



Double sided Glass Mesh Tape

Primum grade yarn waved in to 9X9 mesh to give high tensile & coated with acrylic adhesive to hold the dry fabric during resin infusion process.

Application:

- Holding the dry fabric during resin infusion process.
- This is cleaner the any spray adhesive usage.
- Its reduce cleanup time around the mold.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DGMT-220	Dollar Double Sided Glass Mesh Tape	0.2mm +/- 0.02mm	Acrylic	180 Deg C

Credentials:



Masking Tape

Masking Tape is a special crepe paper backing that possesses good resistance to temperature, solvent and water, also protects from getting wet during paint / powder spray.

Application:

- Paint masking
- Holding application
- High Temperature paint masking.

Product Grades

Code	Description	Thickness	Adhesive	Temperature
DMT-308	Dollar General Purpose Masking Tape	0.14mm +/- 0.02mm	Rubber	75 Deg C
DMT-310	Dollar Medium Temp Masking Tape	0.14mm +/- 0.02mm	Rubber	80 Deg C
DMT-300	Dollar Masking Tape- Primum	0.14mm +/- 0.02mm	Rubber	100 Deg C
DMT-150	Dollar High performance paper masking tape	0.14mm +/- 0.02mm	Rubber	130 Deg C
DMT-618	Dollar High Temperature masking tape	160.0 mic +/- 10.0mm	Rubber	180 Deg C
DMT-200	Dollar High Temperature masking tape	175.0 mic +/- 10.0mm	Rubber	180 Deg C

Credentials : Available ROHS compliances.



PTFE Tape Brown / Green Tape

PTFE Coated fiberglass fabric are widely used as non-stick release sheets or tapes in lamination & sealing processes, which also increase the life of the mold.

Application:

- Sealing on the damaged area of the mold.
- It gives uniformity of the heat for better resin infusion process.
- This product is widely used for the epoxy mold.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DPTFE-5S	Dollar PTFE Coated Fiberglass Fabric Tape Green	0.18mm+/-0.02mm	PSA - Silicon	300 Deg C
DPTFE-5S	Dollar PTFE Coated Fiberglass Fabric Tape Brown	0.18mm+/-0.02mm	PSA - Silicon	300 Deg C

Credentials:



PTFE Coated Fiberglass Release Fabric

PTFE coated fiberglass release fabric are widely used as non-stick release sheets in lamination process, This non-stick PTFE release fabrics tape are used as sealing on conveyor belts in drying tunnels in the screen printing industry.

Application:

- Peel ply is often used on bonding surfaces to keep them clean until ready for bonding and to also provide for enhanced surface free energy when removed.
- When a peel ply is removed, it fractures the resin matrix layer, leaving a energized surface.
- This peel ply is a woven fabric, glass, nylon or other synthetic material.



Product Grades

Code	Description	Thickness	Temperature
DPTFE-P060R	Dollar Coated Fiberglass Release Fabric	0.070mm+/-10mm	280 Deg C

Credentials:



Double side Cloth Tape

Double Side Cotton Cloth Tape is cotton cloth coated with natural rubber adhesive on both sides giving it a strong adhesion, easy tear and clean removal properties its hold for the long duration.

Application:

- Product is ideal for Cylinder mounting in printing industries, Splicing application & Bonding application.
- This makes product to be ideal tape for all types of applications such as the bonding of all types Carpets, Nylon / rubber stereos, affixing metal labels, mounting non-woven materials, core starting for paper boards, etc.,



Product Grades

Code	Description	Thickness	Adhesive
DSCT-100H	Dollar Double Side Cotton Cloth Tape	300.0micron +/-20.0micron	Rubber



Grey Fabric Tape

A high grade acrylic coated cloth tape. It is based on a 140 mesh woven cotton fabric and a thermosetting natural rubber.

Application:

- Heat resistant masking application.
- Removable without residues even after high temperature exposure.
- Very ageing-resistant (Allowing for the permanent application).
- Permanent interior and exterior hole covering.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DACT-657	Dollar Acrylic coated cloth tape	0.290 mm +/- .02 mm	Thermosetting Natural Rubber	180 Deg C

Vinyl Tape

Vinyl Tape based is poly vinyl chloride with an aggressive modified rubber-adhesive and reverse coated with release coating.

Application:

- Used for holding and color identification purpose.
- Complex adhesive for excellent tack and adhesion to all surfaces.
- Tough PVC Film with high resistant to abrasion and cleaning chemicals.
- Residue free removal.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DFMT-150	Dollar Vinyl Tape	0.150 mm +/- .02 mm	Rubber	180 Deg C

Auto Mask Tape

This product is made out low thickness of HDPE film for large area masking application with one sided masking adhesive to have bonding with the surface and rest area will be masked.

Application:

- Large are masking application for wind blade during powder coating / paint.
- It also protect the surface against dust scratches and unwanted contamination from the air.

Product Grades

Code	Description	Thickness	Adhesive
DLAM-08	Dollar Auto Mask	0.008 to 0.023mm	One side adhesive Rubber

Credentials:



Foam Tape

Cross-linked polyethylene foam with closed-cells, produced in various standard colors with densities ranging from 25 to 250 kg/m³ and thicknesses ranging from 5 to 50mm.

Application:

- It is used for lining, filling, protection, sealing, packaging, sounds and shock absorption, and heat and cold insulation.
- More than 90% closed cell- Negligible water/ moisture absorption.



Product Grades

Code	Description	Thickness	Adhesive
FOAM-2050	Dollar S/S PE Foam with closed cell	Up to 50mm	Acrylic - solvent

Edge Identity Tape

High Grade poly vinyl chloride which coated with rubber adhesive, to perform as per required shape and for durable application.

Application:

- Edge masking for the wind blade end of the edge.
- Its gives the edge protection for the wind blade edge in transit.



Product Grades

Code	Description	Thickness	Adhesive
DFLT-150	Dollar Edge Identity Tape	0.150 mm +/- .02 mm	Rubber

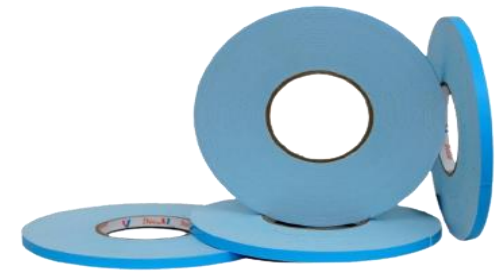
Tapes Solution for Solar Energy

Double side Solar Mount Tape

Double Side PE Foam Tape is made out of PE foam coated with aggressive adhesive, to have a long bonding for the glass and metal surface. It gives excellent moisture resistance, water resistance and UV resistance.

Application:

- Solar panel fixing / frame fixing.
- J/B Mounting.
- Excellent product for out door and long term application.
- Excellent bonding to glass and metal surface.



Product Grades

Code	Description	Thickness	Adhesive
DSPE-310W	Dollar D/S PE Foam Tape	1.0 mm +/- 0.3 mm	Acrylic
DSPE-308B	Dollar D/S PE Foam Tape	0.80 mm +/- 0.3 mm	Acrylic

Credentials : It is approved as per IEC 60529 Certificate.



Cell Placement Tape

Dollar Cell Placement Tape is made out with superior grade of film with aggressive adhesive which gives better holding power before lamination process and it doesn't visible after lamination process.

Application:

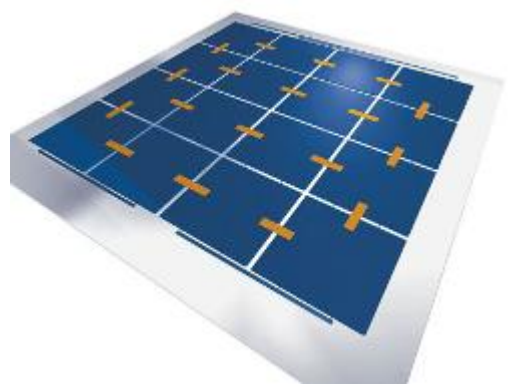
- Cell Placement Tape holds the cell in place during lamination process.
- Transparent and tear resistant.
- Resistant to UV, water and various chemicals.
- High immediate adhesive.



Product Grades

Code	Description	Thickness	Temperature
DPT-50TS	Dollar Cell Placement Tape	0.050mm+/-0.02mm	140 Deg C

Credentials:



Solar Sil 744

SolarSil - Sealants have been selected for their compatibility with the substrates commonly used in the manufacture of PV Modules . Silicones have a proven record of with - standing long - term exposure to sunlight and excessive heat. It gives high bonding with lessor curing time.

Application:

- Frame Sealing.
- Fixing and Sealing Junction Boxes.
- Sealing Solar collectors.



Product Grades

Code	Description	Adhesive	Temperature
Solar Sil-744	Dollar Silicon Sealant	Silicon Sealant	150 Deg C

Credentials:



PTFE Coated Teflon Fabric

D - PTFE -250/125- PTFE coated fabric is placed between the solar module stack and the metal base of the vacuum laminator to give uniformity of the heat for better lamination.

Application:

- Outstanding releasing property of the fabric prevents the melted resins from flowing onto the surfaces
- saving process of extensive cleaning PTFE - coated fabrics are suitable for both single bed and multi - stack laminators.



Product Grades

Code	Description	Thickness	Temperature
D-PTFE-250	Dollar PTFE Coated Fabric	0.250mm+/-0.02mm	300 Deg C
D-PTFE-125	Dollar PTFE Coated Fabric	0.125mm+/-0.02mm	300 Deg C

Credentials:



PTFE Coated Teflon Adhesive

PTFE Coated fiberglass fabric are widely used as non-stick release sheets or tapes in lamination & sealing processes, which also increase the life of the mold.

Application:

- Sealing on the damaged area of the mold.
- It gives uniformity of the heat for better resin infusion process.
- This product is widely used for the epoxy mold.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DPTFE-5S	Dollar PTFE Coated Fiberglass Fabric Tape	0.18mm+/-0.02mm	PSA - Silicon	300 Deg C

Masking Tape

DMT-308 Holds the composite parts together during the lamination process.

Application:

- Laminate Fixing Tapes.
- High immediate adhesive.
- High temperature resistance.
- Excellent residue free removability.



Product Grades

Code	Description	Thickness	Adhesive	Temperature
DMT-150	Dollar High performance paper masking tape	0.14mm +/- 0.02mm	Rubber	140 Deg C

Credentials : Available ROHS compliances.

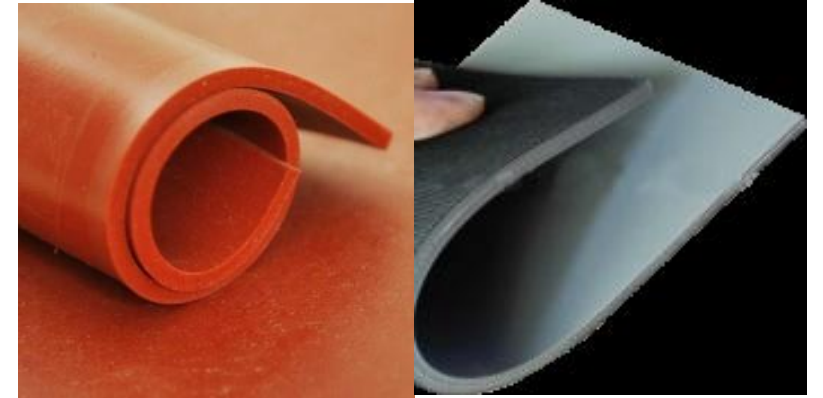


Silicone Rubber Sheet

Silicone diaphragms are critical components for vacuum and heating process for laminating and encapsulating of glass , back sheet and composite , etc. It consists of top silicone blanket and bottom silicone sheet where well assembled glass is placed in between . Proper selected silicone is very important for making high quality of laminated PV panel .

Application:

- Its used as vacuum gasket for the solar lamenter.
- Its gives better lamination to solar panel.



Product Grades

Code	Description	Thickness	Temperature
DollarSil-45	Dollar Silicone Rubber Sheet	4.5mm	150 Deg C
DollarSil-30	Dollar Silicone Rubber Sheet	3.0mm	150 deg C

Credentials:



Thank You