

APPLICATION SOLUTIONS FOR EFFICIENT PANEL MANUFACTURING

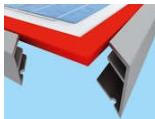


We are dedicated to the solar industry

Over the past years we have built an in depth understanding of tape applications in module assembly. This is why we are able to offer individual solutions consisting of quality products, technical advice and application systems. As a result you get a reliable bonding quality and efficient, easy-to-implement processes.

Benefits from a partnership with tesa

- Experienced solar team
- Global presence and supply
- Industry proven product range
- Application solution packages

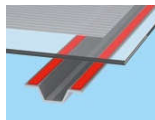


Solar frame bonding

Tape is a trusted method for solar frame bonding. It enables an esthetic finish, design flexibility and a fast, clean assembly process. Choose tesa for our experience and benefit from a proven solution.

tesa® 62508, 62510, 62512 FrameSelect

- High quality double-sided PE foam tape
- A modular assortment allows for optimal solutions
- External proof of performance: UL, TÜV test reports



Back rail bonding
Reliable, permanent bonding solution for back rails. No curing time needed, higher assembly speed.

tesa® ACXplus 7078 – Acrylic foam tape

- High bonding strength
- Stress dissipating core
- High temperature and weathering resistance



Cable fixation
To secure photovoltaic cables during shipment and installation.

tesa® 64284 – Strapping tape

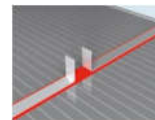
- Easy and clean removal
- Very good adhesion to many substrates
- Tear resistant backing



Junction box fixation
Secure fixation during the box mounting process with liquid adhesives. Makes the process faster and safer.

tesa® 62510 – Double-sided foam tape

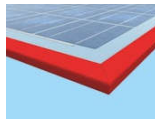
- High adhesion to many back sheet materials



Bus bar mounting
Optimized bus bar mounting and insulation for manual and automated processes.

tesa® 4983 – Double-sided PET tape

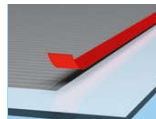
- Ultrathin design
- High dielectric strength
- High temperature resistance



Permanent edge protection
Gives frameless modules an esthetic finish and reduces the module break rate.

tesa® 65052 – Black edge protection tape

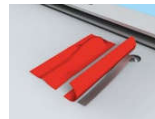
- Shock absorbing
- Durable and weathering resistant
- Easy to apply



Ribbon black out
Covers visible charge collectors or bus bars improving the solar module design.

tesa® 7250 – Black single-sided PET tape

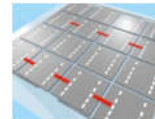
- Excellent light blocking
- High dielectric strength
- Temperature and ageing resistant



Hole covering
Used to temporarily cover holes and slits in the back sheet and hold ribbons down during lamination.

tesa® 50600 – High temperature masking

- 220° C temperature resistance
- Excellent removability after lamination



Cell fixation and alignment
To hold stringed solar cells in place during the lamination process.

tesa® 4129 – Single-sided PET tape

- Thin and transparent
- Ageing and UV resistant
- High temperature resistance

Engineered application tools for industrial use

Our solutions go beyond tape. We provide technical consulting and proven application tools, in order to implement a fast and reliable production process at our customers. Our application systems are easy to use and enable constant quality. We are scaling them depending on production output and complexity. Benefit from an individual and cost-efficient solution.



tesa® Edge Taper LR
Handheld applicator to apply tape to the module edge from pancake roll or spool.

- Fast, easy-to-use and proven tool
- Allows for precise taping
- Liner removal function

tesa® 6095 Spool Dispenser
Motor driven dispenser for unwinding and feeding long length tape spools.

- Less roll changes with less waste
- Low investment cost
- Easy to integrate into existing production layout

Spooled products
Our spooled tapes in long length and superior slitting quality enable an efficient framing process.

- For mass production
- Designed to run in leading automated framing units