

OUR ADHESIVE TAPES FOR FLEXIBLE OLED DISPLAYS

Our extended expertise within the display market enables us to meet the highest requirements for bonding of flexible display designs.

We offer optimized adhesive tape solutions for organic light emitting diode (OLED) displays allowing:

- Bent/curved, foldable, and rollable displays
- Excellent durability with the best protection for the OLED, such as UV- and moisture protection by encapsulation
- Use of sensitive materials
- The thinnest device designs
- Efficient processing, easy, clean, and fast roll to roll and roll to sheet possible

Efficient Processing for Curved and Foldable Displays





1 Encapsulation of OLED and lamination of barrier film with tesa® Barrier tapes

- Moisture barrier function in xy direction
- Tapes with and without getter function (lag time)

Film lamination above OLED, e.g. barrier film, touch sensor, cover film

- Superior transmission and low haze
- Excellent bonding on various substrates
- PSA and UV-curing tapes
- Noncorrosive or UV-blocking tapes

Optically clear lamination of sensors and cover films with tesa[®] OCA tapes

- Moisture barrier tapes (tesa® BarrierOCA)
- Low-dielectric-constant tapes

Film lamination on the back side of the OLED, e.g. sensors or flexible backplanes

- Noncorrosive tapes
- Tapes for cushioning and dampening with various compression and recovery rates
- Low-dielectric-constant tapes

Our tapes for flexible displays

- Excellent repulsion resistance and high bonding strength
- Best performance in static and dynamic bending tests
- Various proven and new development products

Stress distribution in bent or curved devices



We also offer adhesive tapes for:

- Shielding and grounding
- Component mounting
- · Covering, e.g. fixation, protection, insulation
- Heat management

electronics.tesa.com E-mail: electronics@tesa.com tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.