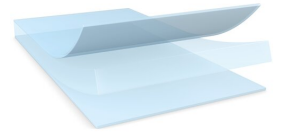


# tesa® 69301

## Optically Clear Adhesive



### Product Information

25µm UV-curable optically clear tape

### Product Description

tesa® 69301 is a highly transparent transfer tape produced under controlled clean room conditions and designed for optical clear lamination. It is a UV-curable tape which can be cured under UVA and UVV (<410nm) wavelength.

### Product Features

- Very good ink step coverage
- Highest bonding strength (peel, tensile, shock)
- Excellent reliability & bubble suppression
- Can be cured through plastic and polarizers

### Application Fields

- Optically clear lamination of displays to cover glass
- Optically clear lamination of plastics
- Suitable for thinnest design gaps

### Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

### Product Construction

|                    |             |                                    |             |
|--------------------|-------------|------------------------------------|-------------|
| • Backing          | none        | • Color of liner                   | transparent |
| • Type of adhesive | acrylic     | • Thickness of easy release liner  | 50 µm       |
| • Type of liner    | PET         | • Thickness of tape                | 25 µm       |
| • Color            | transparent | • Thickness of tight release liner | 75 µm       |

### Properties/Performance Values

|                          |           |                                 |       |
|--------------------------|-----------|---------------------------------|-------|
| • Ageing resistance (UV) | very good | • Refractive index              | 1.47  |
| • Dielectric constant    | 5.74      | • Release of liner - inside     | easy  |
| • Gap filling            | 40 %      | • Release of liner - outside    | tight |
| • Haze                   | 0.5 %     | • Transmittance (380 - 780nm) > | 99 %  |
| • Humidity resistance    | very good |                                 |       |

### Adhesion to Values

|                           |           |                               |          |
|---------------------------|-----------|-------------------------------|----------|
| • Glass (initial)         | 3 N/cm    | • PET (after UV curing)       | 4.4 N/cm |
| • Glass (after UV curing) | 9.4 N/cm  | • PMMA (after UV curing)      | 6.6 N/cm |
| • PC (after UV curing)    | 11.6 N/cm | • Polarizer (after UV curing) | 7 N/cm   |

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### Product Information

### Additional Information

- Recommended curing dosage: 3000mJ per cm<sup>2</sup> (UVA 365nm) on adhesive surface.
- Also possible to cure with 405nm LED.

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=69301>