



# tesa<sup>®</sup> 69802

## Optically Clear Adhesive

### Product Information

50µm outgassing resistant optically clear adhesive

### Product Description

tesa<sup>®</sup> 69802 is a highly transparent transfer tape produced under controlled clean room conditions and designed for optically clear lamination with post UV curable design.

### Product Features

- Excellent suppression of bubbles even in harsh environments
- Superb gap filling performance
- Good temperature, humidity and UV resistance
- Very high bonding strength
- Smooth and easy liner removal
- High transmittance and low haze

### Application Fields

- Designed for optically clear lamination of plastic substrates
- Lamination of films to rigid substrates or lamination of two rigid substrates
- Bonding of displays to cover glass or touch panel
- Automotive electronic displays using PC, PMMA

### 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 | pure acrylic | • Thickness of easy release liner  | 50 µm       |
| • Type of liner    | PET          | • Thickness of tape                | 50 µm       |
| • Color            | transparent  | • Thickness of tight release liner | 75 µm       |

### Properties/Performance Values

- |                          |       |                                 |      |
|--------------------------|-------|---------------------------------|------|
| • Ageing resistance (UV) | good  | • Refractive index              | 1.48 |
| • Haze                   | 0.2 % | • Tack                          | good |
| • Humidity resistance    | good  | • Transmittance (380 - 780nm) > | 99 % |



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#### Adhesion to Values

• Glass (initial)	7.5 N/cm	• PET (initial)	6.1 N/cm
• Glass (after UV curing)	8.5 N/cm	• PET (after UV curing)	6.7 N/cm
• PC (initial)	7.8 N/cm	• PMMA (initial)	7.5 N/cm
• PC (after UV curing)	8.7 N/cm	• PMMA (after UV curing)	7.7 N/cm

#### Additional Information

Please refer to our UV curing technical bulletin for best results

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=69802>