



# tesa<sup>®</sup> 69812

## Optically Clear Adhesive

### Product Information

300µm UV-curable outgassing resistant optically clear adhesive tape

### Product Description

tesa<sup>®</sup> 69812 is a highly transparent UV-curable transfer tape produced under controlled clean room conditions and designed for optically clear lamination of plastic substrates.

Special features:

- Excellent outgassing resistance to avoid bubble formation
- Superb gap filling performance
- Good temperature, humidity and UV resistance

### Application Fields

- Optically clear lamination of films or glass to plastic substrates
- Other optical lamination with high tolerance coverage demand

### 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                            | transparent |
| • Type of adhesive | pure acrylic | • Thickness of easy release liner  | 75 µm       |
| • Type of liner    | PET film     | • Thickness of tight release liner | 125 µm      |
| • Total thickness  | 300 µm       |                                    |             |

### Properties/Performance Values

|                          |       |                                 |           |
|--------------------------|-------|---------------------------------|-----------|
| • Ageing resistance (UV) | good  | • Refractive index              | 1.48      |
| • Haze                   | 0.4 % | • Tack                          | very good |
| • Humidity resistance    | good  | • Transmittance (380 - 780nm) > | 99 %      |

### Adhesion to Values

|                           |           |                          |           |
|---------------------------|-----------|--------------------------|-----------|
| • Glass (after UV curing) | 13.9 N/cm | • PET (after UV curing)  | 8.6 N/cm  |
| • PC (after UV curing)    | 14.4 N/cm | • PMMA (after UV curing) | 13.1 N/cm |

### Additional Information

- UV curing dosage: above 5000 mJ per square centimeter (measured on OCA surface, UVA 320-380nm)
- 75µm easy release PET liner outside of the roll

For latest information on this product please visit <http://l.tesa.com/?ip=69812>



# tesa<sup>®</sup> 69812

## Optically Clear Adhesive

Product Information

### Disclaimer

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless 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. Therefore, the user is responsible for determining whether the tesa<sup>®</sup> 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.



For latest information on this product please visit <http://l.tesa.com/?ip=69812>