



# tesa<sup>®</sup> 4912

## Product Information

5µm double sided transparent filmic tape

### Product Description

tesa<sup>®</sup> 4912 is a transparent, double-sided self-adhesive tape consisting of a ultra-thin PET film backing and a tackified acrylic adhesive.

### Product Features

- Thickness: 5µm
- Excellent heat transfer due to very low thickness
- High adhesion level relative to low thickness
- Excellent conformability and adjustment to curved surfaces
- Excellent resistance to demanding environmental conditions

### Application Fields

- Mounting of heat spreading parts
- Nanocrystal sheet lamination
- Ultra-thin gap filling

### 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          | PET film          | • Total thickness | 5 µm        |
| • Type of adhesive | tackified acrylic | • Color           | transparent |

### Properties/Performance Values

- |                                   |           |                                     |        |
|-----------------------------------|-----------|-------------------------------------|--------|
| • Humidity resistance             | very good | • Temperature resistance long term  | 80 °C  |
| • Static shear resistance at 23°C | medium    | • Temperature resistance short term | 140 °C |

### Adhesion to Values

- |                      |          |                         |          |
|----------------------|----------|-------------------------|----------|
| • PC (initial)       | 3.6 N/cm | • PMMA (after 14 days)  | 4.3 N/cm |
| • PC (after 14 days) | 4 N/cm   | • Steel (initial)       | 3.6 N/cm |
| • PMMA (initial)     | 4 N/cm   | • Steel (after 14 days) | 3.9 N/cm |



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### Additional Information

PV62: double sided PET liners (23µm easy-release inside / 50µm tight-release outside)

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=04912>