



tesa[®] 4912

Product Information

5µm double sided transparent filmic tape

Product Description

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

tesa[®] 4912 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

Product Features

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- Excellent heat transfer due to very low thickness
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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 |

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Product Information

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 |

Additional Information

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

Disclaimer

tesa[®] 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[®] 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.



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