



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.

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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Product Information

Additional Information

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

Disclaimer

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