



tesa[®] 4942

Product Information

140µm double sided transparent filmic tape

Product Description

tesa[®] 4942 is a double sided self-adhesive tape consisting of a transparent PET backing and a tackified acrylic adhesive.

Product Features

- Thickness: 140µm
- High bonding strength and shear resistance
- Very good handling performance in converting processes
- Excellent resistance to demanding environmental conditions

Application Fields

- Lens mounting in mobile phones
- Antenna mounting

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 | • Color | transparent |
| • Type of adhesive | tackified acrylic | • Color of liner | brown |
| • Type of liner | glassine | • Thickness of liner | 71 µm |
| • Total thickness | 140 µm | • Weight of liner | 82 g/m ² |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|-------------------------------------|--------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm | • Tack | medium |
| • Ageing resistance (UV) | very good | • Temperature resistance long term | 100 °C |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C |

Adhesion to Values

- | | | | |
|-----------------------|-----------|-------------------------|-----------|
| • ABS (initial) | 8.9 N/cm | • PE (initial) | 5 N/cm |
| • ABS (after 14 days) | 9.8 N/cm | • PE (after 14 days) | 5.6 N/cm |
| • PC (initial) | 10.8 N/cm | • Steel (initial) | 11.8 N/cm |
| • PC (after 14 days) | 12.1 N/cm | • Steel (after 14 days) | 13 N/cm |

For latest information on this product please visit <http://l.tesa.com/?ip=04942>



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