



tesa[®] 4942

Product Information

140µm d/s filmic tape

Product Description

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

tesa[®] 4942 features:

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

Product Features

- Thickness: 140µm
- High bonding strength and shear resistance
- Very good handling performance in converting processes
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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
5.5 mils | • Weight of liner | 2.8 mils
82 g/m ² |

Properties/Performance Values

- | | | | |
|--------------------------|------------------------|-------------------------------------|------------------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm
11.4 lbs/in | • Tack | medium |
| • Ageing resistance (UV) | very good | • Temperature resistance long term | 100 °C
212 °F |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C
392 °F |

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



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Product Information

Adhesion to Values

• ABS (initial)	8.9 N/cm 81.3 oz/in	• PE (initial)	5 N/cm 45.7 oz/in
• ABS (after 14 days)	9.8 N/cm 89.5 oz/in	• PE (after 14 days)	5.6 N/cm 51.2 oz/in
• PC (initial)	10.8 N/cm 98.7 oz/in	• Steel (initial)	11.8 N/cm 107.8 oz/in
• PC (after 14 days)	12.1 N/cm 110.5 oz/in	• Steel (after 14 days)	13 N/cm 118.8 oz/in

Disclaimer

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