



# tesa<sup>®</sup> 62946

## Product Information

Foam mounting tape with polyester film reinforcement; 11.8 mil thickness

### Product Description

tesa<sup>®</sup> 62946 is a black double-sided PE (polyethylene) foam tape with a PET (polyester) film reinforcement. The tape is equipped with a tackified acrylic adhesive.

tesa<sup>®</sup> 62946 features:

- Thickness: 300µm, 11.8 mils
- Very high bonding strength
- A highly conformable foam backing that compensates for design tolerances or uneven surfaces
- Excellent sealing function versus humidity and dust
- Dampening properties offer good shock absorption
- Easy converting and handling due to PET reinforcement
- Very good humidity resistance
- Black color for easy detection or design purposes

### Application Fields

- Touch panel / lens mounting in mobile phones
- Speaker module mounting
- Front panel mounting in notebooks
- Mounting on uneven surfaces

### 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	PE foam	• Color	black
• Type of adhesive	tackified acrylic	• Color of liner	brown
• Type of liner	glassine	• Thickness of liner	71 µm
• Total thickness	300 µm 11.8 mils	• Weight of liner	2.8 mils 80 g/m <sup>2</sup>



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### Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 23°C	good
• Tensile strength	23 N/cm	• Static shear resistance at 40°C	good
	13.1 lbs/in	• Tack	medium
• Ageing resistance (UV)	very good	• Temperature resistance long term	70 °C
• Humidity resistance	very good		158 °F
• Softener resistance	medium	• Temperature resistance short term	80 °C
			176 °F

### Adhesion to Values

• ABS (initial)	6.7 N/cm	• PE (initial)	2.3 N/cm
	61.2 oz/in		21 oz/in
• ABS (after 14 days)	9.4 N/cm	• PE (after 14 days)	2.7 N/cm
	85.9 oz/in		24.7 oz/in
• Aluminium (initial)	5.3 N/cm	• PET (initial)	5.3 N/cm
	48.4 oz/in		48.4 oz/in
• Aluminium (after 14 days)	10.9 N/cm	• PET (after 14 days)	7.7 N/cm
	99.6 oz/in		70.3 oz/in
• Glass (initial)	7.3 N/cm	• PVC (initial)	6.7 N/cm
	66.7 oz/in		61.2 oz/in
• Glass (after 14 days)	12 N/cm	• PVC (after 14 days)	13.7 N/cm
	109.6 oz/in		125.2 oz/in
• PC (initial)	7.6 N/cm	• Steel (initial)	6.4 N/cm
	69.4 oz/in		58.5 oz/in
• PC (after 14 days)	12.2 N/cm	• Steel (after 14 days)	13.2 N/cm
	111.5 oz/in		120.6 oz/in



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### Additional Information

Peel adhesion data based on 90° test method.

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=62946>