

Product Information

300µm double sided black reinforced foam tape

tesa® 62946 is a black double sided thin PE foam tape with a PET film reinforcement. The tape is equipped with a tackified acrylic adhesive.

tesa® 62946 features:

- Thickness: 300µm
- Very high bonding strength
- Highly conformable foam backing compensates 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

Main Application

- 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.

Technical Data

• Backing material	PE foam	• Tensile strength	23 N/cm
• Color	black	• Type of liner	glassine
• Total thickness	300 µm	• Color of liner	brown
• Type of adhesive	tackified acrylic	• Thickness of liner	71 µm
• Elongation at break	50 %	• Weight of liner	80 g/m ²

Adhesion to

• Steel (initial)	6.4 N/cm	• Steel (after 14 days)	13.2 N/cm
• ABS (initial)	6.7 N/cm	• ABS (after 14 days)	9.4 N/cm
• Aluminium (initial)	5.3 N/cm	• Aluminium (after 14 days)	10.9 N/cm
• Glass (initial)	7.3 N/cm	• Glass (after 14 days)	12.0 N/cm
• PC (initial)	7.6 N/cm	• PC (after 14 days)	12.2 N/cm
• PE (initial)	2.3 N/cm	• PE (after 14 days)	2.7 N/cm
• PET (initial)	5.3 N/cm	• PET (after 14 days)	7.7 N/cm
• PVC (initial)	6.7 N/cm	• PVC (after 14 days)	13.7 N/cm

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Properties

- | | | | |
|-------------------------------------|-------|-----------------------------------|------|
| • Temperature resistance short term | 80 °C | • Humidity resistance | ●●●● |
| • Temperature resistance long term | 70 °C | • Softener resistance | ●● |
| • Tack | ●● | • Static shear resistance at 23°C | ●●●● |
| • Ageing resistance (UV) | ●●●● | • Static shear resistance at 40°C | ●●●● |

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

Additional Information

Peel adhesion data based on 90° test method.

Disclaimer

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