



tesa[®] 62510

Product Information



1000 µm double sided PE foam tape

Product Description

tesa[®] 62510 is a double sided PE foam tape for mounting applications. It consists of a highly conformable PE foam backing and a tackified acrylic adhesive.

Product benefits:

- High ultimate adhesion level for a reliable bonding performance
- Fully outdoor suitable: UV, water and ageing resistant
- Conformable PE foam core with high inner strength
- Suitable for automatic and manual module assembly
- Easy solar module assembly due to a high foam compression rate

Product Features

- High ultimate adhesion level for a reliable bonding performance
- Fully outdoor suitable: UV, water and ageing resistant
- Conformable PE foam core with high inner strength
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Application Fields

- General mounting applications
- Mounting of trims and profiles
- Solar module frames

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 material | PE foam | • Total thickness | 1000 µm |
| • Type of adhesive | tackified acrylic | • Colour | black/white |



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Properties/Performance Values

• Elongation at break	180 %	• Static shear resistance at 70°C	very good
• Tensile strength	10 N/cm	• Tack	good
• Ageing resistance (UV)	very good	• Temperature resistance long term duration	80 °C
• Static shear resistance at 23°C	good	• Temperature resistance short term duration	80 °C
• Static shear resistance at 40°C	good		

Adhesion to Values

• ABS (initial)	8 N/cm	• PET (after 14 days)	13.5 N/cm
• ABS (after 14 days)	13.5 N/cm	• PP (initial)	1.2 N/cm
• Aluminium (initial)	8 N/cm	• PP (after 14 days)	1.2 N/cm
• Aluminium (after 14 days)	13.5 N/cm	• PS (initial)	8 N/cm
• PC (initial)	8 N/cm	• PS (after 14 days)	8 N/cm
• PC (after 14 days)	13.5 N/cm	• PVC (initial)	13.5 N/cm
• PE (initial)	0.9 N/cm	• PVC (after 14 days)	13.5 N/cm
• PE (after 14 days)	0.9 N/cm	• Steel (initial)	13.5 N/cm
• PET (initial)	6 N/cm	• Steel (after 14 days)	13.5 N/cm

Additional Information

Liner variants:

- PV0 brown glassine paper (71 µm)
- PV13 transparent PET film (50 µm)
- PV15 blue PE film (100 µm)

Peel Adhesion:

- immediately: foam splitting on steel
- after 14 days: foam splitting on steel, ABS, Aluminum, PC, PET, PS, PVC

tesa® 62510 is recognised by UL as photovoltaic polymeric material (QIHE2).

tesa® 62510 has been tested by TÜV Rheinland, Germany. The test confirms the longterm adhesion performance after IEC 61215 climate tests and a 85°C temperature resistance.

The temperature resistance (short/long) of tesa® 62510 has been approved according to tesa test method under static load.



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Disclaimer

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