



tesa® 62512

Product Information



1200 µm double sided PE foam tape

Product Description

tesa® 62512 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

Application Fields

- General mounting applications
- * Mounting of trims and profiles
- * Solar frame modules

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 | 1200 µm |
| • Type of adhesive | tackified acrylic | • Color | black/white |

Properties/Performance Values

- | | | | |
|-----------------------------------|-----------|-------------------------------------|-------|
| • Elongation at break | 190 % | • Static shear resistance at 40°C | good |
| • Tensile strength | 11.5 N/cm | • Tack | good |
| • Ageing resistance (UV) | very good | • Temperature resistance long term | 80 °C |
| • Static shear resistance at 23°C | good | • Temperature resistance short term | 80 °C |



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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)	13.5 N/cm
• PC (initial)	8 N/cm	• PS (after 14 days)	13.5 N/cm
• PC (after 14 days)	13.5 N/cm	• PVC (initial)	8 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, Aluminium, PC, PET, PS, PVC

tesa[®] 62512 is recognized by UL as photovoltaic polymeric material (QIHE2).

tesa[®] 62512 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.

For latest information on this product please visit <http://l.tesa.com/?ip=62512>



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The temperature resistance (short/long) of tesa[®] 62512 has been approved according to tesa test method under static load.

Disclaimer

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