

tesa® 62508

Product Information



800µm/31.5 mils double sided PE foam tape

Product Description

tesa® 62508 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

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

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 | • Total thickness | 800 µm |
| • Type of adhesive | tackified acrylic | | 31.5 mils |
| | | • Color | black/white |

Properties/Performance Values

- | | | | |
|-----------------------------------|------------|-------------------------------------|--------|
| • Elongation at break | 190 % | • Static shear resistance at 40°C | good |
| • Tensile strength | 9.5 N/cm | • Tack | good |
| | 5.4 lbs/in | • Temperature resistance long term | 80 °C |
| • Ageing resistance (UV) | very good | | 176 °F |
| • Static shear resistance at 23°C | good | • Temperature resistance short term | 80 °C |
| | | | 176 °F |



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Adhesion to Values

• ABS (initial)	8 N/cm 73.1 oz/in	• PET (initial)	6 N/cm 54.8 oz/in
• ABS (after 14 days)	13.5 N/cm 123.3 oz/in	• PET (after 14 days)	13.5 N/cm 123.3 oz/in
• Aluminium (initial)	8 N/cm 73.1 oz/in	• PP (initial)	1.2 N/cm 11 oz/in
• Aluminium (after 14 days)	13.5 N/cm 123.3 oz/in	• PP (covered side, after 14 days)	1.2 N/cm 11 oz/in
• PC (initial)	8 N/cm 73.1 oz/in	• PVC (initial)	8 N/cm 73.1 oz/in
• PC (after 14 days)	13.5 N/cm 123.3 oz/in	• PVC (after 14 days)	13.5 N/cm 123.3 oz/in
• PE (initial)	0.9 N/cm 8.2 oz/in	• Steel (initial)	13.5 N/cm 123.3 oz/in
• PE (after 14 days)	0.9 N/cm 8.2 oz/in	• Steel (after 14 days)	13.5 N/cm 123.3 oz/in

Additional Information

Liner variants:

- PV0 brown glassine paper (71 µm/2.8 mils)
- PV13 transparent PET film (50 µm/2 mils)
- PV15 blue PE film (100 µm/3.9 mils)

Peel Adhesion:

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

tesa® 62508 is recognized by UL as photovoltaic polymeric material (QIHE2).

tesa® 62508 has been tested by TÜV Rheinland, Germany. The test confirms the longterm adhesion performance after IEC 61215 climate tests and a 85°C/185°F temperature resistance.

The temperature resistance (short/long) of tesa® 62508 has been approved according to tesa test method under static load.



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