tesa® 62510

Product Information

1000 µm/39.4 mils 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 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
- 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 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	PE foam
Type of adhesive	tackified acrylic
Total thickness	1000 µm 39.4 mils
Color	black/white

Properties/Performance Values

Elongation at break	180 %
Tensile strength	10 N/cm 5.7 lbs/in
Ageing resistance (UV)	very good
Humidity resistance	very good
Softener resistance	medium
Static shear resistance at 23°C	good
Static shear resistance at 40°C	good
Static shear resistance at 70°C	very good
Tack	good
Temperature resistance long term	80 °C 176 °F
Temperature resistance short term	80 °C 176 °F

For latest information on this product please visit http://l.tesa.com/?ip=62510

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Adhesion to Values

- ABS (initial) 8 N/cm 73.1 oz/in
- ABS (after 14 days) 13.5 N/cm 123.3 oz/in
- Aluminium (initial) 8 N/cm 73.1 oz/in
- Aluminium (after 14 days) 13.5 N/cm 123.3 oz/in
- PC (initial) 8 N/cm 73.1 oz/in
- PC (after 14 days) 13.5 N/cm 123.3 oz/in
- PE (initial) 0.9 N/cm 8.2 oz/in
- PE (after 14 days) 0.9 N/cm 8.2 oz/in
- PET (initial) 6 N/cm 54.8 oz/in
- PET (after 14 days) 13.5 N/cm 123.3 oz/in
- PP (initial) 1.2 N/cm 11 oz/in
- PP (after 14 days) 1.2 N/cm 11 oz/in
- PS (initial) 8 N/cm 73.1 oz/in
- PS (after 14 days) 8 N/cm 73.1 oz/in
- PVC (initial) 13.5 N/cm 123.3 oz/in
- PVC (after 14 days) 13.5 N/cm 123.3 oz/in
- Steel (initial) 13.5 N/cm 123.3 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 / 1.9 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, Aluminum, PC, PET, PS, PVC

tesa® 62510 is recognized 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 / 185°F 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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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