

Product Information

1000 µm double sided PE foam tape

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.

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

Main Application

- 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.

Technical Data

• Backing material	PE foam	• Type of adhesive	tackified acrylic
• Color	black/white	• Elongation at break	180 %
• Total thickness	1000 µm	• Tensile strength	10 N/cm

Adhesion to

• Steel (initial)	13.5 N/cm	• Steel (after 14 days)	13.5 N/cm
• ABS (initial)	8.0 N/cm	• ABS (after 14 days)	13.5 N/cm
• Aluminium (initial)	8.0 N/cm	• Aluminium (after 14 days)	13.5 N/cm
• PC (initial)	8.0 N/cm	• PC (after 14 days)	13.5 N/cm
• PE (initial)	0.9 N/cm	• PE (after 14 days)	0.9 N/cm
• PET (initial)	6.0 N/cm	• PET (after 14 days)	13.5 N/cm
• PP (initial)	1.2 N/cm	• PP (after 14 days)	1.2 N/cm
• PS (initial)	8.0 N/cm	• PS (after 14 days)	8.0 N/cm
• PVC (initial)	13.5 N/cm	• PVC (after 14 days)	13.5 N/cm

Properties

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

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

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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 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 temperature resistance.

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

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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