productinformation

tesa® 62510
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.

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

Main Application

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

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

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

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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

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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