



TBP Converting, Inc.
Tesa 62510

tesa® 62510

Double sided PE foam mounting tape

tesa® 62510 is a double-sided PE-foam tape for mounting applications. It consists of a highly conformable PE-foam backing coated with a tackified acrylic adhesive.

Product benefits:

*High ultimate adhesion level for a reliable bonding performance

*UV, water and age resistant

- Suitable for outdoor applications
- * Conformable PE foam core with high inner strength
- Suitable for automatic and manual module assembly

Main Application

Muntin bar mounting

Solar module frames mounting

Trim and extruded profile mounting

General mounting applications

Technical Data

▪ Backing material	PE foam	▪ Type of adhesive	tackified acrylic
▪ Color	black/white	▪ Elongation at break	180 %
▪ Total thickness	1000 µm 39.4 mils	▪ Tensile strength	10 N/cm 5.7 lbs/in

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Adhesion to

▪ Steel (initial)	13.5 N/cm 123.3 oz/in	▪ Steel (after 14 days)	13.5 N/cm 123.3 oz/in
▪ ABS (initial)	8.0 N/cm 73.1 oz/in	▪ ABS (after 14 days)	13.5 N/cm 123.3 oz/in
▪ Aluminium (initial)	8.0 N/cm 73.1 oz/in	▪ aluminium (after 14 days)	13.5 N/cm 123.3 oz/in
▪ PC (initial)	8.0 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)	6.0 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)	8.0 N/cm 73.1 oz/in	▪ PS (after 14 days)	8.0 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

Properties

▪ Temperature resistance short term	80 °C 176 °F	▪ Softener resistance	● ●
▪ Temperature resistance long term	80 °C 176 °F	▪ Static shear resistance at 73,4 °F	● ● ●
▪ Tack	● ● ●	▪ Static shear resistance at 104 °F	● ● ●
▪ Ageing resistance (UV)	● ● ● ●	▪ Static shear resistance at 158 °F	● ● ● ●
▪ Humidity resistance	● ● ● ●		

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

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Additional Information

Liner variants:

PV0 brown glassine paper (2.75mils/70µm)

PV13 transparent PET (2mils/50µm)

PV15 blue PE (4mils/100µm)

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 long-term 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.

tesa® 62510 is certified by AAMA 813-11 for use as an adhesive used in Simulated Divide Lights.