productinformation

tesa® 4957

Double-sided PE-foam mounting tape

tesa® 4957 is a double-sided PE-foam tape for general mounting applications. It consists of a highly conformable PE-foam backing and a tackified acrylic adhesive. tesa® 4957 has been externally certified for window bar mounting.

Product benefits:

- Versatile adhesive for high immediate adhesion on numerous substrates
- Fully outdoor suitable: UV, water and ageing resistant
- Compensates for differing thermal expansion of dissimilar materials
- High immediate bonding strength even at low bonding pressure
- Very good cold shock absorbtion

Main Application

- POS displays, exhibition sample displays
- Shelf edge labels
- Cable channels, window bars, window skirting trims
- Decorative glass or mirror elements on furniture
- Solar module frames

Technical Data

	Backing material	PE foam	Type of adhesive	tackified acrylic
	Color	black/white	Elongation at break	200 %
٠	Total thickness	1100 μm	Tensile strength	6 N/cm

Adhesion to

•	Steel (initial)	4.0 N/cm	•	Steel (after 14 days)	4.0 N/cm
•	ABS (initial)	4.0 N/cm	•	ABS (after 14 days)	4.0 N/cm
•	Aluminium (initial)	4.0 N/cm	•	Aluminium (after 14 days)	4.0 N/cm
•	PC (initial)	4.0 N/cm	•	PC (after 14 days)	4.0 N/cm
•	PE (initial)	1.7 N/cm		PE (after 14 days)	2.2 N/cm
•	PET (initial)	4.0 N/cm	•	PET (after 14 days)	4.0 N/cm
•	PP (initial)	1.8 N/cm	•	PP (after 14 days)	3.3 N/cm
•	PS (initial)	4.0 N/cm		PS (after 14 days)	4.0 N/cm
•	PVC (initial)	4.0 N/cm	•	PVC (after 14 days)	4.0 N/cm

For latest information on this product please visit http://l.tesa.com/?ip=04957

tesa® 4957

Double-sided PE-foam mounting tape

Properties

- Temperature resistance short term
- Temperature resistance long term
- Tack
- Ageing resistance (UV)
- Humidity resistance

- Resistance to chemicals
- Softener resistance

good

- Static shear resistance at 23°C

• • medium



Static shear resistance at 40°C

low

Additional Information

Liner variants:

PV0 brown glassine paper (70 μm)

PV4 white with tesa® logo PE-coated paper (122 μm)

Evaluation across relevant tesa® assortment: • • • • very good

PV6 blue PP (80 µm)

PV12 transparent PET (75µm)

PV15 blue PE (100 μm)

tesa® 4957 has been tested and approved by IFT institute for window bar mounting. The test includes UV, driving rain and windload. (IFT report number 509 30742/1).

80 °C

an °c

tesa® 4957 has been tested by TÜV Rheinland, Germany. The test confirms the longterm adhesion performance after IEC 61215 / 61646 climate tests and a 85°C temperature resistance. (TÜV report number 21209595).

Peel Adhesion:

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