tesa® 4970

Product Information

8.9 mils / 225µm double sided white PVC film tape

Product Description

tesa® 4970 is a white, double-sided mounting tape with a highly tackified acrylic adhesive and PVC backing. The double-sided PVC film tape has exceptional bonding performance and is used in various different industries, frequently used to fasten heavy signs and point-of-sale displays. The tackified acrylic adhesive features excellent adhesive performance, offering a reliable bond even on low energy surfaces and rough or slightly dirty substrates. The strong adhesive and PVC backing make the tape highly resistant to numerous factors, including plasticizers, humidity, aging, UV-light, and chemicals. tesa® 4970 offers a very high initial bond immediately after application and is ideal for various long-term mounting applications.

Product Features

- High adhesion and very good bonding strength, even to low surface energy materials
- Immediate functionality of the laminated bond due to excellent initial tack
- Light and aging-resistant acrylic adhesive for long-term applications
- Very good plasticizer resistance
- Good conformability for good adhesion even on rougher surfaces due to the PVC backing

Application Fields

- tesa® 4970 is the perfect solution for mounting of decorative POS materials and displays
- Mounting of signs and scales
- Bonding during assembly of moldings and trims in the furniture industry
- Ideal for mounting of plastic or wooden trims

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	PVC film	• Total thickness	225 µm 8.9 mils
• Type of adhesive	tackified acrylic	• Color	white

For latest information on this product please visit http://l.tesa.com/?ip=04970

tesa® 4970

Product Information

Properties/Performance Values

- Elongation at break: 20 %
- Tensile strength: 38 N/cm; 21.7 lbs/in
- Ageing resistance (UV): good
- Chemical Resistance: good
- Humidity resistance: very good
- Softener resistance: very good
- Static shear resistance at 23°C: good
- Static shear resistance at 40°C: medium
- Tack: very good
- Temperature resistance long term: 60 °C; 140 °F
- Temperature resistance min.: -40 °C; -40 °F
- Temperature resistance short term: 70 °C; 158 °F

Adhesion to Values

- ABS (initial): 13.4 N/cm; 122.4 oz/in
- ABS (after 14 days): 14.4 N/cm; 131.6 oz/in
- Aluminium (initial): 11.5 N/cm; 105.1 oz/in
- Aluminium (after 14 days): 12.6 N/cm; 115.1 oz/in
- PC (initial): 16.2 N/cm; 148 oz/in
- PC (after 14 days): 16.9 N/cm; 154.4 oz/in
- PE (initial): 8.5 N/cm; 77.7 oz/in
- PE (after 14 days): 9.1 N/cm; 83.1 oz/in
- PET (initial): 11.5 N/cm; 105.1 oz/in
- PET (after 14 days): 11.9 N/cm; 108.7 oz/in
- PP (initial): 9.7 N/cm; 88.6 oz/in
- PP (after 14 days): 10.8 N/cm; 98.7 oz/in
- PS (initial): 14.7 N/cm; 134.3 oz/in
- PS (after 14 days): 15.2 N/cm; 138.9 oz/in
- PVC (initial): 12.4 N/cm; 113.3 oz/in
- PVC (after 14 days): 16.6 N/cm; 151.7 oz/in
- Steel (initial): 13 N/cm; 118.8 oz/in
- Steel (after 14 days): 13.6 N/cm; 124.3 oz/in

Additional Information

Liner variants:

- PV0: brown glassine paper (69µm / 2.7 mils; 80g/m^2)
- PV2: brown glassine paper (78µm / 3.1 mils; 90g/m^2)

For spools, it is recommended to use tesa® dispensers to achieve optimal results.

For latest information on this product please visit http://l.tesa.com/?ip=04970

tesa® 4970

Product Information

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.

For latest information on this product please visit http://l.tesa.com/?ip=04970