tesa® 4970
Double-sided filmic tape with high adhesion

tesa® 4970 is a thick white double-sided self-adhesive tape consisting of a PVC-film backing and a tackified acrylic adhesive.

tesa® 4970 features especially:
- Excellent combination of high tack and immediate adhesion
- High coating weight for good bonding performance on rough or dusty surfaces
- Full suitability for longterm applications

Main Application
- Mounting of plastic and wooden trims
- Mounting of decorative POS materials and displays
- Mounting of signs and scales

Technical Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backing material</td>
<td>PVC film</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
<td></td>
</tr>
<tr>
<td>Total thickness</td>
<td>225 µm</td>
<td>8.9 mils</td>
</tr>
<tr>
<td>Type of adhesive</td>
<td>tackified acrylic</td>
<td></td>
</tr>
<tr>
<td>Elongation at break</td>
<td>20 %</td>
<td></td>
</tr>
<tr>
<td>Tensile strength</td>
<td>38 N/cm</td>
<td>21.7 lbs/in</td>
</tr>
<tr>
<td>Type of liner</td>
<td>glassine</td>
<td></td>
</tr>
<tr>
<td>Color of liner</td>
<td>brown</td>
<td></td>
</tr>
<tr>
<td>Thickness of liner</td>
<td>71 µm</td>
<td>2.8 mils</td>
</tr>
<tr>
<td>Weight of liner</td>
<td>82 g/m²</td>
<td></td>
</tr>
</tbody>
</table>

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

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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Adhesion to

- Steel (initial) 13.0 N/cm, 118.8 oz/in
- ABS (initial) 13.4 N/cm, 122.4 oz/in
- Aluminium (initial) 11.5 N/cm, 105.1 oz/in
- PC (initial) 16.2 N/cm, 148 oz/in
- PE (initial) 8.5 N/cm, 77.7 oz/in
- PET (initial) 11.5 N/cm, 105.1 oz/in
- PP (initial) 9.7 N/cm, 88.6 oz/in
- PS (initial) 14.7 N/cm, 134.3 oz/in
- PVC (initial) 12.4 N/cm, 113.3 oz/in

- Steel (after 14 days) 13.6 N/cm, 124.3 oz/in
- ABS (after 14 days) 14.4 N/cm, 131.6 oz/in
- Aluminium (after 14 days) 12.6 N/cm, 115.1 oz/in
- PC (after 14 days) 16.9 N/cm, 154.4 oz/in
- PE (after 14 days) 9.1 N/cm, 83.1 oz/in
- PET (after 14 days) 11.9 N/cm, 108.7 oz/in
- PP (after 14 days) 10.8 N/cm, 98.7 oz/in
- PS (after 14 days) 15.2 N/cm, 138.9 oz/in
- PVC (after 14 days) 16.6 N/cm, 151.7 oz/in

Properties

- Temperature resistance short term 70 °C, 158 °F
- Temperature resistance long term 60 °C, 140 °F
- Tack
- Ageing resistance (UV)
- Humidity resistance
- Resistance to chemicals
- Softener resistance
- Static shear resistance at 73,4 °F
- Static shear resistance at 104 °F

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

Additional Information

Liner variants:
- PV0: brown glassine paper (69μm/2.7 mils; 80g/m²)
- PV2: brown glassine paper (78μm/3.1 mils; 90g/m²)

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