



tesa[®] 4952

Product Information



Double-sided PE-foam mounting tape

Product Description

tesa[®] 4952 is a double sided PE foam tape, consisting of a highly conformable closed cell PE-foam backing and a tackified acrylic adhesive. The foam tape offers a highly versatile adhesive for high immediate adhesion on numerous types of substrates and high immediate bonding strength even at low bonding pressure. tesa[®] 4952 features excellent resistance to water, UV and ageing, making it completely suitable for outdoors. The double sided foam tape is capable of compensating different thermal expansions of different materials. tesa[®] 4952 features very good cold shock absorption. tesa[®] 4952 is ideally used for constructive mounting applications and has been externally certified for mirror mounting. tesa[®] 4952 has been externally tested and certified for mirror mounting by the LGA institute. Report number IWQ FSG 329 1189. The tape has an immediate peel adhesion: foam splitting on steel, aluminium, ABS, PC, PS, PET, PVC. And a peel adhesion after 14 days: foam splitting on steel, aluminium, ABS, PC, PS, PET, PVC.

Product Features

- 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 absorption

Applications

- tesa[®] 4952 is used for constructive mounting applications
- The foam tape is used for furniture mirror mounting
- The double sided tape is used for the mounting of car mirrors
- tesa[®] 4952 is used for mounting functional trims & profiles
- tesa[®] 4952 is used for the mounting of decorative panels in the interior fitout industry

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Applications

| | | | |
|--------------------|-------------------|----------------------|---------------------|
| • Backing | PE foam | • Color | white |
| • Type of adhesive | tackified acrylic | • Color of liner | brown |
| • Type of liner | glassine | • Thickness of liner | 70 µm |
| • Total thickness | 1150 µm | • Weight of liner | 80 g/m ² |



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Product Information

Properties/Performance Values

| | | | |
|--------------------------|--------------|-------------------------------------|--------------|
| • Elongation at break | 200 % | • Static shear resistance at 23°C | good, medium |
| • Tensile strength | 10 N/cm | • Static shear resistance at 40°C | good, medium |
| • Ageing resistance (UV) | good | • Tack | good, medium |
| • Chemical Resistance | good | • Temperature resistance long term | 80 °C |
| • Humidity resistance | very good | • Temperature resistance short term | 80 °C |
| • Softener resistance | medium, good | | |

Adhesion to Values

| | | | |
|-----------------------------|----------|-------------------------|----------|
| • ABS (initial) | 5 N/cm | • PET (after 14 days) | 7 N/cm |
| • ABS (after 14 days) | 8 N/cm | • PP (initial) | 2.8 N/cm |
| • Aluminium (initial) | 5 N/cm | • PP (after 14 days) | 5.5 N/cm |
| • Aluminium (after 14 days) | 8 N/cm | • PS (initial) | 5 N/cm |
| • PC (initial) | 5 N/cm | • PS (after 14 days) | 7.5 N/cm |
| • PC (after 14 days) | 8 N/cm | • PVC (initial) | 5 N/cm |
| • PE (initial) | 2.7 N/cm | • PVC (after 14 days) | 8 N/cm |
| • PE (after 14 days) | 2.8 N/cm | • Steel (initial) | 6.5 N/cm |
| • PET (initial) | 5 N/cm | • Steel (after 14 days) | 8 N/cm |

Additional Information

tesa[®] 4952 has been tested and approved by LGA institute for mirror mounting. Report number IWQ FSG 329 1189.

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

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=04952>