

tesa® 52210

Product Information



100 µm double sided translucent non woven tape for general purpose lamination applications

Product Description

tesa® 52210 is a double-sided non-woven tape equipped with a water-based acrylic adhesive. The conformable non-woven tape is especially designed for general purpose lamination applications. The water-based acrylic adhesive of tesa® 52210 offers very good bonding strength on various substrates, including materials with low surface energy. Due to its low emission values, it is classified as ultra low VOC and particularly suited to meet interior requirements (e.g., in the automotive industry).

tesa® 52210 is available in efficient laminating lengths and widths as well as in a 150 µm version (tesa® 52215).

Product Features

- High initial tack and peel adhesion
- Very good bonding strength even to low surface energy materials
- Outstanding converting and die-cutting properties
- Highly conformable to follow difficult 3D shapes due to non-woven backing
- Ultra low total VOC concentration according to VDA 278 analysis

Application Fields

- tesa® 52210 is suitable for various types of lamination applications
- Lamination of insulation materials or foam for HVAC (heating, ventilation, and air conditioning) seals
- Bonding of fleece and felt substrates as well as decorative fabrics
- Laminates for NVH (noise, vibration, and harshness) and BSR (buzz, squeak, and rattle) prevention
- Mounting flooring systems

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 | non-woven | • Color | translucent |
| • Type of adhesive | water-based acrylic | • Color of liner | brown |
| • Type of liner | glassine | • Thickness of liner | 80 µm |
| • Total thickness | 100 µm | • Weight of liner | 90 g/m ² |

tesa® 52210

Product Information

Properties/Performance Values

| | | | |
|-----------------------------------|-----------|-------------------------------------|--------|
| • Elongation at break | 5 % | • Suitable for die cutting | yes |
| • Tensile strength | 10 N/cm | • Tack | good |
| • Ageing resistance (UV) | very good | • Temperature resistance long term | 80 °C |
| • Humidity resistance | good | • Temperature resistance min. | -40 °C |
| • Static shear resistance at 23°C | medium | • Temperature resistance short term | 200 °C |

Adhesion to Values

| | | | |
|-----------------------------|----------|-------------------------|-----------|
| • ABS (initial) | 6.1 N/cm | • PET (after 14 days) | 7.8 N/cm |
| • ABS (after 14 days) | 9.5 N/cm | • PP (initial) | 3.2 N/cm |
| • Aluminium (initial) | 3.9 N/cm | • PP (after 14 days) | 3.6 N/cm |
| • Aluminium (after 14 days) | 7.1 N/cm | • PS (initial) | 7.9 N/cm |
| • PC (initial) | 7.3 N/cm | • PS (after 14 days) | 9.4 N/cm |
| • PC (after 14 days) | 8.7 N/cm | • PVC (initial) | 7.1 N/cm |
| • PE (initial) | 2 N/cm | • PVC (after 14 days) | 8.5 N/cm |
| • PE (after 14 days) | 3 N/cm | • Steel (initial) | 6 N/cm |
| • PET (initial) | 4.3 N/cm | • Steel (after 14 days) | 11.2 N/cm |

Additional Information

According to VDA278 analysis tesa® 52210 does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).

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=52210>