



tesa® 51966

Product Information



Double Sided Transparent Filmic Tape

Product Description

tesa® 51966 is a transparent double sided tape consisting of a PET backing and a highly tackified acrylic adhesive. tesa® 51966 mounting tape features an excellent combination of high initial tack and immediate adhesion. The acrylic adhesive offers resistance to many chemicals, softeners, humidity and UV light, making the tape perfect for long-term and outdoor applications. The transparent double sided tape also features a short-term temperature resistance of up to 130°C and a long-term resistance of up to 80°C. tesa® 51966 offers excellent converting properties.

Product Features

- Excellent combination of high initial tack and immediate adhesion
- Full suitability for long-term applications

Applications

- tesa® 51966 is ideal for specialist converters
- The mounting tape is suitable for long-term applications
- tesa® 51966 is available with additional liner variants

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

- | | | | |
|--------------------|---|-------------------|-------------|
| • PET film | Bio-based carbon content of liner (acc. DIN EN 16640) | • Total thickness | 200 µm |
| | | • Color | transparent |
| • Type of adhesive | acrylic | | |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|-------------------------------------|-----------|
| • Elongation at break | 55 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm | • Static shear resistance at 40°C | good |
| • Ageing resistance (UV) | good | • Tack | very good |
| • Chemical Resistance | good | • Temperature resistance long term | 80 °C |
| • Humidity resistance | very good | • Temperature resistance min. | -40 °C |
| • Softener resistance | good | • Temperature resistance short term | 130 °C |



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Adhesion to Values

• ABS (initial)	10.5 N/cm	• PET (after 14 days)	9.5 N/cm
• ABS (after 14 days)	11.5 N/cm	• PP (initial)	7.5 N/cm
• Aluminium (initial)	9 N/cm	• PP (after 14 days)	8 N/cm
• Aluminium (after 14 days)	10 N/cm	• PS (initial)	11 N/cm
• PC (initial)	13 N/cm	• PS (after 14 days)	12 N/cm
• PC (after 14 days)	13.5 N/cm	• PVC (initial)	9 N/cm
• PE (initial)	7 N/cm	• PVC (after 14 days)	13 N/cm
• PE (after 14 days)	7.5 N/cm	• Steel (initial)	10.5 N/cm
• PET (initial)	9 N/cm	• Steel (after 14 days)	11 N/cm

Additional Information

Liner variants:

- PV20: brown glassine paper liner with blue printed tesa logo (71µm; 82g/m²)
- PV06: red MOPP-film (80µm; 72g/m²)

According to VDA278 analysis, tesa 51966 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.



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