tesa® 51966

Product Information

200µm double sided transparent PET film tape with 90% PCR PET content in backing

Product Description

tesa® 51966 is a transparent, double-sided industrial mounting tape with a 90% post-consumer recycled (PCR) PET backing and a highly tackified acrylic adhesive. The double-sided tape is especially designed for the converter and tape specialist business and is able to withstand numerous environmental factors such as humidity, UV light, and temperatures of up to 130°C for limited periods of time. The tackified acrylic adhesive provides excellent adhesion on various surfaces, very high tack, and good shear strength.

tesa® 51966 contains an average of 8% post-consumer recycled content, consisting of 90% recycled PET backing. Liner and tape core are considered packaging materials and are excluded from recycled content calculations. This is a third-party environmental claim validated against the UL Environmental Claim Validation Procedure 2809 for recycled content. The UL Environmental Claim Validation Program falls under UL's ISO/IEC 17025 accreditation. Find more information on the UL SPOT® database

https://spot.ul.com/main-app/products/detail/62a340de7501b678a13670cb?page_type=Products%20Catalog

Sustainable Aspects

- 90% PCR PET in the backing

Product Features

- Excellent combination of high initial tack and immediate adhesion
- Full suitability for long-term applications
- Very good bonding strength, even to low surface energy materials
- Outstanding converting and die-cutting properties

Application Fields

- Various industrial long-term mounting applications
- Especially designed for the converter and tape specialist business

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

• PET film	Post-consumer recycled content of backing	• Total thickness	200 µm
		• Color	transparent
• Type of adhesive	acrylic		

For latest information on this product please visit http://l.tesa.com/?ip=51966

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Product Information

Properties/Performance Values

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

Adhesion to Values

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

Additional Information

Liner variants:

- PV6: red MOPP film (80µm; 72g/m^2)
- PV20: branded brown paper (69µm; 80g/m^2)

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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