



tesa[®] 58332

50µm D/S PET



Product Information

tesa[®] 58332 is a 50µm differentiated double-sided transparent PET tape equipped with tackified acrylic adhesive.

Product Description

The tackified acrylic adhesive offers outstanding initial peel strength on polar substrate and fit to rough surface such as mica plate. Its PET backing ensures excellent converting performance. The glassine liner ensures it can be easily released without adhesive residue during application.

Product Features

- Very fast wetting performance on rough surface, such as mica plate (>0.8N/cm)
- Outstanding conformability
- Excellent initial peel strength
- Good handling performance in converting process
- Good resistance to demanding automotive environmental conditions

Application Fields

tesa[®] 58332 has especially been developed for power battery demanding mounting, lamination and converting application with excellent wetting performance on its open side.

Mounting in power battery or lamination application such as:

- Mica mounting
- Aerogel mounting
- other demanding mounting

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 | PET | • Total thickness | 50 µm |
| • Type of adhesive | tackified acrylic | • Color of liner | brown/blue logo |
| • Type of liner | glassine | • Thickness of liner | 69 µm |

Properties/Performance Values

- | | | | |
|-----------------------------------|--------|------------------------------------|-----------|
| • Dielectric breakdown voltage | 2900 V | • Tack | very good |
| • Humidity resistance | good | • Temperature resistance long term | 125 °C |
| • Static shear resistance at 23°C | good | | |

For latest information on this product please visit <http://l.tesa.com/?ip=58332>



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Adhesion to Values

| | | | |
|-----------------------------|----------|---------------------------------------|----------|
| • Aluminium (initial) | 5.4 N/cm | • Steel (after 14 days) | 8 N/cm |
| • Aluminium (after 14 days) | 7.5 N/cm | • Steel (covered side, after 14 days) | 5.6 N/cm |
| • Steel (initial) | 4.7 N/cm | • Steel (covered side, initial) | 4.8 N/cm |

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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