

product information

tesa® 68542

50µm double sided transparent filmic tape

tesa® 68542 is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 68542 features esp.

- Thickness: 50µm
- High adhesion level
- High resistance to demanding environmental conditions
- Good handling performance in converting processes

Main Application

tesa® 68542 is used for general mounting and laminating applications especially in the electronics industry.

Technical Data

| | | | |
|--------------------|-------------|-----------------------|-------------------|
| ▪ Backing material | PET film | ▪ Type of adhesive | tackified acrylic |
| ▪ Color | transparent | ▪ Elongation at break | 50 % |
| ▪ Total thickness | 50 µm | ▪ Tensile strength | 20 N/cm |

Adhesion to

| | | | |
|-----------------------|----------|-----------------------------|----------|
| ▪ Steel (initial) | 5.0 N/cm | ▪ Steel (after 14 days) | 7.2 N/cm |
| ▪ ABS (initial) | 5.0 N/cm | ▪ ABS (after 14 days) | 6.1 N/cm |
| ▪ Aluminium (initial) | 5.0 N/cm | ▪ Aluminium (after 14 days) | 6.0 N/cm |
| ▪ PC (initial) | 5.3 N/cm | ▪ PC (after 14 days) | 6.6 N/cm |
| ▪ PE (initial) | 2.0 N/cm | ▪ PE (after 14 days) | 2.8 N/cm |
| ▪ PET (initial) | 5.2 N/cm | ▪ PET (after 14 days) | 5.8 N/cm |
| ▪ PP (initial) | 2.0 N/cm | ▪ PP (after 14 days) | 5.3 N/cm |
| ▪ PVC (initial) | 5.2 N/cm | ▪ PVC (after 14 days) | 7.9 N/cm |

Properties

| | | | |
|-------------------------------------|--------|-----------------------------------|------|
| ▪ Temperature resistance short term | 200 °C | ▪ Humidity resistance | ●●●● |
| ▪ Temperature resistance long term | 100 °C | ▪ Softener resistance | ●●●● |
| ▪ Tack | ●●● | ▪ Static shear resistance at 23°C | ●● |
| ▪ Ageing resistance (UV) | ●●●● | | |

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

For latest information on this product please visit <http://l.tesa.com/?ip=68542>

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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Additional Information

Liner variants:

PV20 brown/blue logo glassine paper (71µm; 82g/m²)

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