



tesa[®] 68542

Product Information



50µm d/s filmic tape

Product Description

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

tesa[®] 68542 features:

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

Application Fields

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

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 material	PET film	• Total thickness	50 µm
• Type of adhesive	tackified acrylic, acrylic, advanced acrylic, modified acrylic	• Color	2 mils transparent, optically clear

Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 23°C	medium, good
• Tensile strength	20 N/cm 11.4 lbs/in	• Tack	good
• Ageing resistance (UV)	very good	• Temperature resistance long term	100 °C 212 °F
• Humidity resistance	very good	• Temperature resistance short term	200 °C 392 °F
• Softener resistance	very good		



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Adhesion to Values

• ABS (initial)	5 N/cm 45.7 oz/in	• PET (initial)	5.2 N/cm 47.5 oz/in
• ABS (after 14 days)	6.1 N/cm 55.7 oz/in	• PET (after 14 days)	5.8 N/cm 53 oz/in
• Aluminium (initial)	5 N/cm 45.7 oz/in	• PP (initial)	2 N/cm 18.3 oz/in
• Aluminium (after 14 days)	6 N/cm 54.8 oz/in	• PP (after 14 days)	5.3 N/cm 48.4 oz/in
• PC (initial)	5.3 N/cm 48.4 oz/in	• PVC (initial)	5.2 N/cm 47.5 oz/in
• PC (after 14 days)	6.6 N/cm 60.3 oz/in	• PVC (after 14 days)	7.9 N/cm 72.2 oz/in
• PE (initial)	2 N/cm 18.3 oz/in	• Steel (initial)	5 N/cm 45.7 oz/in
• PE (after 14 days)	2.8 N/cm 25.6 oz/in	• Steel (after 14 days)	7.2 N/cm 65.8 oz/in

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=68542>