

tesa® 59651

Product Information



300µm double sided transparent film tape

Product Description

tesa® 4965 Thick is a transparent double-sided self-adhesive tape consisting of a PET backing and a modified acrylic adhesive and is based on a patented and protected product formulation. Several products are equipped with this unique and high performing product design and together these products make up Team 4965.

This double-sided film tape assortment helps to easily select the most efficient tape based on customer demands, products, and processes. Order tesa® 4965 Thick using the product number tesa® 59651. Explore the benefits of the full tesa® 4965 assortment here. tesa® 4965 Thick features: * Thickness: 300µm * High bonding strength * High resistance to demanding environmental conditions * Good handling performance in converting processes

Product Features

- tesa® 4965 Original in 300 µm
- High holding power at elevated temperatures
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- Superior bonding strength, often also on low surface energy surfaces
- More bonding reliability for rougher substrates
- Low VOC – measured according to VDA 278 analysis
- Outstanding converting and die-cutting properties

Application Fields

- Bumper rail mounting
- Bonding door elements
- General mounting and lamination

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	• Colour	transparent
• Type of adhesive	modified acrylic	• Colour of liner	brown/blue logo
• Type of liner	paper	• Thickness of liner	69 µm
• Total thickness	300 µm	• Weight of liner	80 g/m ²

tesa® 59651

Product Information

Properties/Performance Values

• Elongation at break	50 %	• Softener resistance	good
• Tensile strength	20 N/cm	• Static shear resistance at 23°C	very good
• Ageing resistance (UV)	good	• Static shear resistance at 40°C	very good
• Chemical resistance	good	• Tack	good
• Humidity resistance	very good	• Temperature resistance long term duration	100 °C
• Minimum temperature resistance	-40 °C	• Temperature resistance short term duration	200 °C

Adhesion to Values

• ABS (initial)	10.5 N/cm	• PET (initial)	7.7 N/cm
• ABS (after 14 days)	11 N/cm	• PET (after 14 days)	9.5 N/cm
• Aluminium (initial)	9.3 N/cm	• PS (initial)	8.5 N/cm
• Aluminium (after 14 days)	9.8 N/cm	• PS (after 14 days)	13.3 N/cm
• PC (initial)	12.6 N/cm	• PVC (initial)	8.8 N/cm
• PC (after 14 days)	14.3 N/cm	• PVC (after 14 days)	14.7 N/cm
• PE (initial)	6 N/cm	• Steel (initial)	13.8 N/cm
• PE (after 14 days)	6.4 N/cm	• Steel (after 14 days)	14.5 N/cm

Additional Information

Liner variants:

PV20: branded brown paper liner (69µm; 80g/m²)

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.