



tesa® 88665

Product Information



115 µm / 4.5 mils double sided PET film differential tape (Silicone/Acrylic)

Product Description

tesa® 88665 is a transparent double-sided tape with a PET-backing. One side is equipped with a silicone adhesive (easy side) and the other side is equipped with a modified acrylic (tight side). It is designed for the demanding applications where silicone materials must be bonded to a range of substrates.

Product Features

- Excellent bonding properties of the silicone adhesive especially to silicone or silicone containing substrates
- Excellent bonding properties of the acrylic adhesive to a wide range of materials
- Very good handling performance in converting processes
- Great resistance to demanding environmental conditions

Application Fields

- Silicone foam lamination
- Silicone rubber mounting (rubber feet, phone case, keypad, gasket etc)
- Other critical surface mounting (PP, PE etc.)

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 | • Type of adhesive (tight release) | tackified acrylic |
| • Total thickness | 115 µm | • Type of liner (easy release) | PET film |
| | 4.5 mils | • Type of liner (tight release) | coated paper |
| • Color | transparent | | |
| • Type of adhesive (easy release) | silicone | | |

Properties/Performance Values

- | | | | |
|-----------------------|-------------|-------------------------------------|-----------|
| • Elongation at break | 75 % | • Static shear resistance at 23°C | very good |
| • Tensile strength | 50 N/cm | • Temperature resistance short term | 150 °C |
| | 28.6 lbs/in | | 302 °F |



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Adhesion to Values

• PC (tight-side, after 14 days)	10.8 N/cm 98.7 oz/in	• Silicone (easy-side, initial)	6.3 N/cm 57.6 oz/in
• PC (tight-side, initial)	6.5 N/cm 59.4 oz/in	• Steel (initial)	6.9 N/cm 63 oz/in
• PP (easy-side, after 14 days)	7 N/cm 64 oz/in	• Steel (easy-side, after 14 days)	7.6 N/cm 69.4 oz/in
• PP (easy-side, initial)	4.8 N/cm 43.9 oz/in	• Steel (easy-side, initial)	6.9 N/cm 63 oz/in
• PP (tight-side, after 14 days)	2.4 N/cm 21.9 oz/in	• Steel (tight-side, after 14 days)	9.3 N/cm 85 oz/in
• PP (tight-side, initial)	2.4 N/cm 21.9 oz/in	• Steel (tight-side, initial)	6.4 N/cm 58.5 oz/in
• Silicone (easy-side, after 14 days)	9.5 N/cm 86.8 oz/in		

Additional Information

This product information is applicable to PV43.

Disclaimer

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