tesa® 68503

Product Information

30µm double-sided transparent filmic tape

Product Description

tesa® 68503 is a transparent, double-sided self-adhesive tape consisting of a PET backing, a tackified acrylic adhesive and double PET liner.
Due to the very smooth and excellent appearance it is the perfect solution for display applications.

Product Features

- Thickness: 30µm
- Good adhesion level
- Very smooth appearance
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes
- Double PET liner (36µm easy-release inside / 50µm tight-release outside)

Application Fields

- Force touch film bonding
- FPC and PCB mounting
- LED light bar fixation
- Reflector and optical sheet fixation

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 film
Type of adhesive	tackified acrylic
Type of liner	PET film
Total thickness	30 µm
Color	transparent
Thickness of liner - inside	36 µm
Thickness of liner - outside	50 µm
Type of liner - inside	PET
Type of liner - outside	PET

Properties/Performance Values

Ageing resistance (UV)	very good
Chemical Resistance	good
Humidity resistance	very good
Softener resistance	good
Static shear resistance at 23°C	good
Static shear resistance at 40°C	good
Tack	low
Temperature resistance long term	100 °C
Temperature resistance short term	200 °C

For latest information on this product please visit http://l.tesa.com/?ip=68503

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Product Information

Adhesion to Values

- PC (initial) 8.5 N/cm
- PC (after 14 days) 8.9 N/cm
- PC (covered side, after 14 days) 8.5 N/cm
- PC (covered side, initial) 8 N/cm
- PE (initial) 4.2 N/cm
- PE (after 14 days) 4.7 N/cm
- PE (covered side, after 14 days) 4.7 N/cm
- PE (covered side, initial) 4.2 N/cm
- PET (initial) 6.2 N/cm
- PET (after 14 days) 6.6 N/cm
- PET (covered side, after 14 days) 6.4 N/cm
- PET (covered side, initial) 6.3 N/cm
- PI (initial) 7.9 N/cm
- PI (after 14 days) 8 N/cm
- PI (covered side, after 14 days) 8.2 N/cm
- PI (covered side, initial) 7.9 N/cm
- PMMA (initial) 8.2 N/cm
- PMMA (after 14 days) 8.2 N/cm
- PMMA (covered side, after 14 days) 8.4 N/cm
- PMMA (covered side, initial) 8.3 N/cm
- Steel (initial) 7.2 N/cm
- Steel (after 14 days) 8.1 N/cm
- Steel (covered side, after 14 days) 8.3 N/cm
- Steel (covered side, initial) 7.7 N/cm

Disclaimer

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