



# tesa<sup>®</sup> 8853

## Product Information

50µm double sided translucent non-woven tape

### Product Description

tesa<sup>®</sup> 8853 is made from special tackified acrylic adhesive system which has excellent high temperature resistant property, ideal for demanding FPC mounting applications.

### Product Features

- The acrylic adhesive gives this product an excellent temperature resistance up to 260°C.
- The highly comfortable ultra thin non-woven backing offers excellent converting performance with limited edge picking.
- The temperature resistant glassine liner ensures it can be easily released without adhesive residue left after solder reflow process.
- Sufficient holding power and peel strength even after solder reflow process
- Excellent die-cutting properties and very low oozing due to special backing
- High tensile strength
- High aging resistance
- Conforming to RoHS
- High conformability for uneven surfaces

### Application Fields

FPC mounting application of electronic components, subjected to high temperature processing and operating environments.

### 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          | ultra thin non-woven | • Color              | translucent          |
| • Type of adhesive | tackified acrylic    | • Color of liner     | white with tesa logo |
| • Type of liner    | glassine             | • Thickness of liner | 71 µm                |
| • Total thickness  | 50 µm                | • Weight of liner    | 82 g/m <sup>2</sup>  |

### Properties/Performance Values

- |                          |           |                       |      |
|--------------------------|-----------|-----------------------|------|
| • Ageing resistance (UV) | very good | • Softener resistance | good |
| • Chemical Resistance    | good      | • Tack                | good |
| • Humidity resistance    | very good |                       |      |



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### Adhesion to Values

• ABS (initial)	4.8 N/cm	• PET (initial)	5 N/cm
• ABS (after 14 days)	6 N/cm	• PET (after 14 days)	5.4 N/cm
• Aluminium (initial)	4.5 N/cm	• PI (initial)	5.9 N/cm
• Aluminium (after 14 days)	5.9 N/cm	• PI (after 14 days)	6 N/cm
• PC (initial)	5.8 N/cm	• Steel (initial)	5.3 N/cm
• PC (after 14 days)	6.9 N/cm	• Steel (after 14 days)	6.5 N/cm

### Disclaimer

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