



tesa® 8853

Product Information



FPC mounting tape

Product Description

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

The acrylic adhesive gives this product an excellent temperature resistance of up to 260°C. The highly conformable, 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 leaving adhesive residue after solder reflow process.

Key features of tesa® 8853:

- *Sufficient holding power and peel strength even after solder reflow process
- *High tensile strength, good repulsion resistance
- *Excellent die-cutting properties and very low oozing due to special backing
- *High conformability for uneven surfaces
- *High aging resistance
- *Conforming to RoHS

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

• Type of liner	glassine	• Color	translucent
• Weight of liner	82 g/m ²	• Color of liner	white with tesa logo
• Backing material	ultra thin non-woven	• Thickness of liner	71 µm
• Type of adhesive	tackified acrylic		2.8 mils

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 43.9 oz/in	• PET (initial)	5 N/cm 45.7 oz/in
• ABS (after 14 days)	6 N/cm 54.8 oz/in	• PET (after 14 days)	5.4 N/cm 49.3 oz/in
• Aluminium (initial)	4.5 N/cm 41.1 oz/in	• PI (initial)	5.9 N/cm 53.9 oz/in
• Aluminium (after 14 days)	5.9 N/cm 53.9 oz/in	• PI (after 14 days)	6 N/cm 54.8 oz/in
• PC (initial)	5.8 N/cm 53 oz/in	• Steel (initial)	5.3 N/cm 48.4 oz/in
• PC (after 14 days)	6.9 N/cm 63 oz/in	• Steel (after 14 days)	6.5 N/cm 59.4 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.