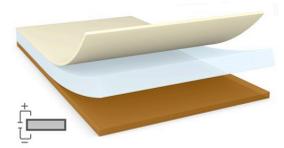


tesa[®] 60318

Product Information



50 µm single sided best conductivity & Low Activation Pressure electrically conductive copper tape

Product Description

tesa[®] 60318 is best conductivity & Low Activation Pressure electrically conductive copper tape. It consists of electrically conductive copper backing and specially designed single sided conductive adhesive coating layer. Designed for EMI shielding for display, antenna and other components applications.

Product Features

- High and stable electrical conductivity
- Excellent EMI shielding performance
- Excellent electrical conductivity in XYZ-direction even under low lamination pressure process
- Good bonding strength
- High heat spreading performance with copper backing

Application Fields

- FPC shielding
- Component shielding with pressure sensitive application
- Shielding application with high conductivity
- OLED display related application

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	copper film	• Colour	orange
• Type of adhesive	conductive acrylic	• Colour of liner	transparent
• Type of liner	PET film	• Thickness of liner	50 µm
• Total thickness	50 µm		

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Product Information

Properties/Performance Values

- | | | | |
|--|------------------------|--|------------------|
| • Contact resistance z-direction (2kg) | 19 mOhm | • Joint resistance x-y-z-direction (50g) | 34 mOhm |
| • Contact resistance z-direction (50g) | 21 mOhm | • Release of liner | easy |
| • Contact resistance z-direction (initial) | 0.03 Ohm / square inch | • Surface resistance x-y-direction | 0.2 Ohm / square |
| • Joint resistance x-y-z-direction (2kg) | 31 mOhm | | |

Adhesion to Values

- | | | | |
|------------------------------|----------|------------------------------|----------|
| • steel | 4.2 N/cm | • Steel (50g; after 14 days) | 5.5 N/cm |
| • Steel (2kg; after 14 days) | 6.2 N/cm | • Steel (50g; initial) | 4.2 N/cm |
| • Steel (2kg; initial) | 5.6 N/cm | | |

Additional Information

- tesa method: tested by 4mm x 4mm tesa jig

Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=60318>