

tesa® 60231

Product Information

25µm single sided matte black electrically conductive tape xyz-axis

Product Description

tesa® 60231 is a ultra-thin matte black single sided electrically conductive self adhesive tape. It consists of a electrically conductive fabric backing which is coated with black electrically conductive acrylic adhesive.

Product Features

- Ultra-thin single sided conductive tape for thin application
- Excellent electrical conductivity in xyz-direction and good shielding performance
- Good adhesion level even at harsh environmental conditions avoids edge lifting
- Easy processing and lamination
- Matte black surface (low gloss) with anti fingerprint and solvent resistant characteristic

Application Fields

- MLB shielding and covering
- FPC shielding
- Matte black shielding and covering on component
- Edge wrapping and grounding of electronic components

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 | conductive non-woven | • Color | matte black |
| • Type of adhesive | conductive acrylic | • Color of liner | transparent |
| • Type of liner | PET | • Thickness of liner | 50 µm |
| • Total thickness | 25 µm | | |

Properties/Performance Values

- | | | | |
|--|------------------------|---|------------------|
| • Contact resistance z-direction (initial) | 0.05 Ohm / square inch | • Surface resistance x-y-direction (adhesive) | 0.2 Ohm / square |
| • Static shear resistance at 23°C | good | • Surface resistance x-y-direction (backing) | 0.3 Ohm / square |
| • Static shear resistance at 40°C | good | • Temperature resistance short term | 200 °C |

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Adhesion to Values

- Steel (after 14 days) 4.1 N/cm

Disclaimer

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