



# tesa<sup>®</sup> 51928

## Product Information

Black double-sided allround filmic tape

### Product Description

tesa<sup>®</sup> 51928 is a double-sided self-adhesive tape consisting of a black PET backing and a modified acrylic adhesive.

tesa<sup>®</sup> 51928 features:

- An excellent balance of good holding power and bonding performance
- Sufficient bonding, even to critical surfaces such as diverse foams and rubber materials and at elevated temperatures.
- High initial tack to immediately grab to the bonding surface

### Application Fields

- Mounting of batteries to battery packs in Electronic devices
- Mounting of ABS plastic parts in the automotive industry
- Mounting of decorative profiles and mouldings in the furniture industry

### 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          | • Total thickness | 125 µm   |
| • Type of adhesive | tackified acrylic |                   | 4.9 mils |
|                    |                   | • Color           | black    |

### Properties/Performance Values

- |                          |             |                                     |           |
|--------------------------|-------------|-------------------------------------|-----------|
| • Elongation at break    | 50 %        | • Static shear resistance at 23°C   | good      |
| • Tensile strength       | 20 N/cm     | • Static shear resistance at 40°C   | good      |
|                          | 11.4 lbs/in | • Tack                              | very good |
| • Ageing resistance (UV) | very good   | • Temperature resistance long term  | 100 °C    |
| • Chemical Resistance    | good        |                                     | 212 °F    |
| • Humidity resistance    | very good   | • Temperature resistance short term | 200 °C    |
| • Softener resistance    | good        |                                     | 392 °F    |



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### Adhesion to Values

• ABS (initial)	8.2 N/cm 74.9 oz/in	• PET (after 14 days)	8.7 N/cm 79.5 oz/in
• ABS (after 14 days)	9.7 N/cm 88.6 oz/in	• PP (initial)	4.8 N/cm 43.9 oz/in
• Aluminium (initial)	8.1 N/cm 74 oz/in	• PP (after 14 days)	6.4 N/cm 58.5 oz/in
• Aluminium (after 14 days)	11.1 N/cm 101.4 oz/in	• PS (initial)	8.8 N/cm 80.4 oz/in
• PC (initial)	10.3 N/cm 94.1 oz/in	• PS (after 14 days)	9.4 N/cm 85.9 oz/in
• PC (after 14 days)	11.5 N/cm 105.1 oz/in	• PVC (initial)	7.2 N/cm 65.8 oz/in
• PE (initial)	4.9 N/cm 44.8 oz/in	• PVC (after 14 days)	10.1 N/cm 92.3 oz/in
• PE (after 14 days)	5.4 N/cm 49.3 oz/in	• Steel (initial)	9.6 N/cm 87.7 oz/in
• PET (initial)	7.4 N/cm 67.6 oz/in	• Steel (after 14 days)	12 N/cm 109.6 oz/in

### Additional Information

Liner variants:

PV0 brown glassine paper (71µm; 82g/m<sup>2</sup>)

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=51928>