



# tesa<sup>®</sup> 58356

## Product Information



130µm/5.12 mils single-sided black PET tape

## Product Description

tesa<sup>®</sup> 58356 is a 130µm/5.1 mils single-sided black PET tape equipped with 100µm/3.9 mils black PET backing to ensure an outstanding electrical insulation property. Its tackified acrylic adhesive offers a very good reliable bonding strength during applications. Transparent PET liner provides easy handling while converting.

## Product Features

- Excellent electrical insulation protection in battery
- Suitable for automation process
- Reliable processing through strong liner and backing
- Outstanding reliability performance according to automotive environment
- RoHS, REACH compliance
- Halogen-free

## Application Fields

Electrical insulation of battery side plate and other components of electric vehicles.

## 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               | • Total thickness    | 130 µm      |
| • Type of adhesive | tackified acrylic | • Color of liner     | 5.1 mils    |
| • Type of liner    | PET film          | • Thickness of liner | transparent |
|                    |                   |                      | 36 µm       |
|                    |                   |                      | 1.4 mils    |

## Properties/Performance Values

- |                                |             |                                    |           |
|--------------------------------|-------------|------------------------------------|-----------|
| • Elongation at break          | 154 %       | • Static shear resistance at 23°C  | very good |
| • Tensile strength             | 165 N/cm    | • Static shear resistance at 40°C  | very good |
|                                | 94.2 lbs/in | • Temperature resistance long term | 125 °C    |
| • Dielectric breakdown voltage | 13330 V     |                                    | 257 °F    |
| • Humidity resistance          | very good   |                                    |           |



# tesa<sup>®</sup> 58356

## Product Information

### Adhesion to Values

• Aluminium (initial)	5.1 N/cm 46.6 oz/in	• Steel	8 N/cm 73.1 oz/in
• Aluminium (after 14 days)	7.2 N/cm 65.8 oz/in	• Steel (after 14 days)	12.5 N/cm 114.2 oz/in

### Disclaimer

tesa<sup>®</sup> 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<sup>®</sup> 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.



For latest information on this product please visit <http://l.tesa.com/?ip=58356>