



# tesa<sup>®</sup> 58685

## Product Information

tesa<sup>®</sup> 58685 400 µm radar absorber tape

### Product Description

excellent product design brings customer good absorption performance, and bringing customer very great adhesion performance for its positioning.

- Excellent absorption performance for 76 ~ 81GHz radar application.
- Great bonding performance keeps good connection and position on substrate.

### Sustainable Aspects



For more information: <https://www.tesa.com/product-sustainability>

### Product Features

excellent product design brings customer good absorption performance, and bringing customer very great adhesion performance for its positioning.

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### Application Fields

single-sided radar absorber tape could be applied in automotive radar system for absorbing reflected interference signals for more accurate detection signal receiving.

suitable for radio frequency 76 ~ 81 GHz, reflection loss no higher than -12dB with tape laminated onto waveguide plate.

Extraordinary peel adhesion meets automotive dynamic motion requirement for keeping it position.

### 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 PE coated paper
- Type of adhesive acrylic

### Product Assortment

- Available colors black
- Available liners PE-coated paper
- Available formats LOG ROLL TRIMMED
- Available thicknesses 400

For latest information on this product please visit <http://l.tesa.com/?ip=58685>



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## Product Information

### Properties/Performance Values

- |   |                          |                                  |           |
|---|--------------------------|----------------------------------|-----------|
| • Density                                     | 0.0445 g/cm <sup>3</sup> | • Temperature resistance (-40°C) | very good |
| • Release of liner                            | easy                     | • Temperature resistance (125°C) | very good |
| • Surface resistance x-y-direction (adhesive) | 34000 Ohm / square       |                                  |           |

### Adhesion to Values

- |                               |         |                           |         |
|-------------------------------|---------|---------------------------|---------|
| • Aluminium (20min @ RT, 90°) | 7 N/cm  | • Steel (20min @ RT, 90°) | 15 N/cm |
| • Steel (initial)             | 11 N/cm |                           |         |

## Storage Conditions

### Storage Conditions

Temperature : from +5°C to +30°C

Relative humidity : from 10% to 90%

Precautions : protect for direct sun light, do not store outside

Other storage advices : avoid mechanical impacts and short overheating

### Additional Information

The values in this section should be considered representative or typical only and should not be used for specification purposes.

## Disclaimer

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