



# tesa<sup>®</sup> 58374

## Product Information



tesa<sup>®</sup> 58374

### Product Description

58374 is a transparent 100µm/3.9 mil double-sided flame retardant PET tape. This tape has been developed specifically for power battery demanding mounting, lamination and converting applications with flame retardant properties as an added value. Due to its non-flammable properties, it is particularly designed to meet power battery automobile requirement.

### Product Features

- Flame retardant UL94 VTM-0 equivalent
- Excellent initial bonding to polar substrate (Steel, Al, etc.)
- Good reliability performance
- Good die-cutting ability for converting process
- Halogen-free

### Application Fields

- Mounting in power battery lamination application required additional flame retardant property.

### 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                | • Color              | transparent          |
| • Type of adhesive | tackified acrylic  | • Color of liner     | white with tesa logo |
| • Type of liner    | glassine           | • Thickness of liner | 69 µm                |
| • Total thickness  | 100 µm<br>3.9 mils |                      | 2.7 mils             |

### Properties/Performance Values

- |                                   |        |                                     |                  |
|-----------------------------------|--------|-------------------------------------|------------------|
| • Dielectric breakdown voltage    | 6000 V | • Temperature resistance long term  | 125 °C<br>257 °F |
| • Static shear resistance at 23°C | good   | • Temperature resistance short term | 200 °C<br>392 °F |



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### Adhesion to Values

• Aluminium (initial)	7.3 N/cm 66.7 oz/in	• PET (initial)	8.5 N/cm 77.7 oz/in
• Glass (initial)	6.5 N/cm 59.4 oz/in	• Steel (initial)	8.2 N/cm 74.9 oz/in
• Glass (covered side, initial)	7.4 N/cm 67.6 oz/in	• Steel (after 14 days)	9.5 N/cm 86.8 oz/in

### Disclaimer

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