



# tesa<sup>®</sup> 4831

## Product Information



## Silicone-free high temperature masking tape

### Product Description

tesa<sup>®</sup> 4831 is a silicone-free masking tape made of a PET/non-woven backing and an acrylic adhesive. It is especially designed for highly demanding applications such as prebond masking, composite manufacturing and metal sandwich construction.

Thanks to its robust PET/non-woven backing and acrylic adhesive, it can be exposed to high pressure and temperatures of up to 180 °C. It is silicone-free, which makes a contamination of the surfaces with silicone adhesive impossible. Subsequent process steps such as window gluing or coating can therefore be carried out with maximum reliability avoiding time consuming cleaning.

### Product Features

- Excellent adhesion also to rough surfaces.
- Residue free removal even after oven drying cycles up to temperatures of 180°C.
- No discoloring or ghosting on clear coats.
- Strong and tear resistant backing.

### Application Fields

- Prebond masking for subsequent bonding applications, e.g. gluing of windows.
- Fixation/masking of parts during composite or metal sandwich construction.
- Also ideal for 2-tone painting providing precise paint edges.
- Powder coating

### 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 material | PET / non-woven | • Total thickness | 125 µm |
| • Type of adhesive | acrylic         |                   |        |

### Properties/Performance Values

- |                       |         |                                   |        |
|-----------------------|---------|-----------------------------------|--------|
| • Elongation at break | 125 %   | • Easy to remove                  | yes    |
| • Tensile strength    | 60 N/cm | • Temperature resistance (30 min) | 180 °C |

### Adhesion to Values

- |         |          |
|---------|----------|
| • steel | 3.5 N/cm |
|---------|----------|

For latest information on this product please visit <http://l.tesa.com/?ip=04831>



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