



tesa[®] 4831

Product Information



Silicone-free high temperature masking tape

Product Description

tesa[®] 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 | 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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