



# tesa® Professional 63632 Aluminium Tape Universal

## Product Information

Universal aluminum tape with paper liner - 30µ foil

## Product Description

tesa® Universal is an aluminum adhesive tape for professional application. The robust aluminum tape is suited to permanently seal insulation and pipes, to enable electric and thermic conductivity in materials and to reflect heat radiation. It can also be used to repair metal surfaces. An aluminum film (30 µm) serves as base material, while the liner/separating layer consists of paper siliconized on one side (85 µm). Adhesion is provided by an acrylic adhesive.

tesa® Universal 63632 aluminum tape is mechanical stable, temperature-resistant -40°C to +160°C. Moreover tesa® Universal 63632 is flame retardant according to DIN 4102, class B1 and UL 510A.

## Application Fields

- Mechanical stable and Conformable to curved surfaces
- Easily removable liner
- Aging resistant
- Suitable for permanent application
- Resistant against humidity, gases, vapors and UV radiation
- Electric and thermic conductivity
- Reflects heat and light
- Flame-retardant according to DIN 4102 (class B1)
- Flame retardant according to the requirements in UL 510A

## 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          | aluminium foil | • Total thickness    | 65 µm |
| • Type of adhesive | acrylic        | • Thickness of liner | 85 µm |

## Properties/Performance Values

- |                               |            |                                     |           |
|-------------------------------|------------|-------------------------------------|-----------|
| • Elongation at break         | 3 %        | • Humidity resistance               | good      |
| • Tensile strength            | 25 N/cm    | • Release of liner                  | easy      |
| • Abrasion resistance         | good       | • Suitable for die cutting          | yes       |
| • Ageing resistance (UV)      | good       | • Temperature resistance            | very good |
| • Backing appearance (visual) | reflective | • Temperature resistance long term  | 90 °C     |
| • Easy to remove              | no         | • Temperature resistance min.       | -40 °C    |
| • Easy to write on            | no         | • Temperature resistance short term | 160 °C    |
| • Fluorescent                 | no         | • Water resistance                  | very good |
| • Hand tearability            | very good  |                                     |           |

For latest information on this product please visit <http://l.tesa.com/?ip=63632>



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## Product Information

### Adhesion to Values

- |                   |        |                 |          |
|-------------------|--------|-----------------|----------|
| • Glass (initial) | 8 N/cm | • PVC (initial) | 5.5 N/cm |
| • PE (initial)    | 4 N/cm | • Steel         | 8 N/cm   |

### Additional Information

The total thickness given in the section "Technical Data" describes the thickness of the tape without liner. The thickness with liner is 150 µm.

## Disclaimer

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