

tesa® Professional 63632



product information

Universal aluminum tape with paper liner - 30µ foil

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.

Main Application

- 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.

Technical Data

• Backing material	aluminium foil	• Thickness of liner	85 mm
• Total thickness	65 µm	• Release of liner	easy
• Type of adhesive	acrylic	• Temperature resistance min.	-40 °C
• Elongation at break	3 %	• Temperature resistance max.	160 °C
• Tensile strength	25 N/cm	• Surface finish	reflective

Adhesion to

• steel	8.0 N/cm	• PE (initial)	4.0 N/cm
• Glass (initial)	8.0 N/cm	• PVC (initial)	5.5 N/cm

Properties

• Hand tearability	●●●●	• Abrasion resistance	●●●
• Suitable for die cutting	Yes	• Water resistance	●●●●
• Certified according to	DIN 4102 B1 and UL 510A		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

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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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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