

tesa® 60650



product information

Universal aluminum tape - 50µ foil

tesa® 60650 is a universal aluminum tape based on a 50 µm (2 mil) aluminum foil and a transparent acrylic adhesive

Features:

- Mechanical stable and conformable
- Easy to unwind
- Suitable for permanent applications
- Barrier against moisture, gases and vapors
- Electrically and thermally conductive
- Aging resistant
- Heat and light reflective
- Flame retardant according to DIN 4102, class B1
- Flame retardant according to the requirements in UL 510A

Main Application

- Mounting of refrigerator coils in appliance industry
- Joining and sealing of thermal insulation, ducts and pipes
- To make substrates electrically and thermally conductive
- To reflect heat radiation

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 | • Tensile strength | 40 N/cm |
| • Total thickness | 90 µm | • Temperature resistance min. | -40 °C |
| • Type of adhesive | acrylic | • Temperature resistance max. | 160 °C |
| • Elongation at break | 6 % | • Surface finish | reflective |

Adhesion to

| | | | |
|-------------------|----------|-----------------|----------|
| • steel | 9.0 N/cm | • PE (initial) | 4.5 N/cm |
| • Glass (initial) | 9.0 N/cm | • PVC (initial) | 6.0 N/cm |

Properties

| | | | |
|----------------------------|------|-----------------------|------|
| • Hand tearability | ●●●● | • Abrasion resistance | ●●●● |
| • Suitable for die cutting | No | • Water resistance | ●●●● |

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

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