



tesa® 50577

Product Information



All Black Aluminum

Product Description

tesa® 50577 is a strong aluminum tape, based on a black 50µm aluminum foil and a black acrylic adhesive. tesa® 50577 is mainly used in the arts and entertainment industry and in appliance industry as well a wide range of other applications.

Features:

- perfect matt surface and a black adhesive
- good adhesion
- easy to remove without residues
- high temperature resistance
- mechanical resistance
- moisture resistant
- vapour tight
- oil & acid resistant
- ageing-resistant
- available with liner (PV1)

Product Features

- Perfect matt surface and a black adhesive
- Easy to remove without residues
- High temperature resistance
- Mechanical resistance
- Moisture resistant
- Vapour tight
- Ageing-resistant

Application Fields

- Bonding of coils for heaters, air conditioning systems
- Preventing light escaping from floor cans
- Fixation of forming of barndoors
- High temperatures applications when a removability afterwards is needed
- Invisible repairs with a matte black surface



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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	aluminum foil	• Color of liner	white
• Type of adhesive	acrylic	• Thickness of liner	65 µm
• Type of liner	paper		2.6 mils
• Total thickness	85 µm 3.3 mils	• Thickness of tape	_NULL µm

Properties/Performance Values

• Elongation at break	5 %	• Operation temperature up to	160 °C 320 °F
• Tensile strength	40 N/cm 22.8 lbs/in	• Straight tear edge	medium
• Abrasion resistance	good	• Suitable for die cutting	yes
• Backing appearance (visual)	matt	• Temperature resistance (30 min)	160 °C 320 °F
• Hand tearability	very good	• Temperature resistance min.	-40 °C -40 °F
• Liner release force	0.2 N/cm 0.1 lbs/in	• Water resistance	very good
• Operation temperature from	-40 °C -40 °F		

Adhesion to Values

• Backing	5 N/cm 45.7 oz/in	• Steel	5 N/cm 45.7 oz/in
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