



# 68000 PV17

## Product Information

Aluminium laminated glass cloth sleeve for radiant heat reflection and enhanced flexibility in the engine compartment

## Product Description

tesa® Sleeve 68000 PV17 is an aluminum laminated glass cloth with an acrylic adhesive and a thin PET fleece layer, designed for automotive engine compartments. Its acrylic adhesive is compatible with new halogen-free cable jacketing materials (PE/PP) and provides excellent radiant heat shielding as well as enhanced durability at high temperature.

The tesa® Sleeve product construction ensures minimum adhesive contact with the wires to provide maximum harness flexibility. Customized length-specific kiss cutting is available on request. tesa® Sleeve 68000 PV17 is specifically designed for efficient lengthwise manual application.

Color: silver. Liner: silicone

## Product Features

- Flexible and smooth
- Temperature Resistance 200°C / 240h (according to SAE J2192) 232°C / 168h (according to ISO 188 Method B)
- Thermal Effectiveness (according to SAE J2302) -55°C at 350°C heat source temperature -83°C at 450°C heat source temperature -110°C at 550°C heat source temperature
- Self extinguishing
- High flexibility
- Ageing-resistant
- Resistant to environmental influences
- High temperature resistance
- Superior radiant heat reflection

## Application Fields

tesa® Sleeve 68000 PV17 has been developed for:

- Applications within the wire harness segment.
- Bundling and wire protection in areas with increased demands for radiant heat protection.
- Shielding against radiant heat sources in the automotive engine compartment.

## Technical Information (average values)

The values in this section should be considered representative or typical only and should not be

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### Technical Information (average values)

used for specification purposes.

### Product Construction

- |                    |                                   |                   |        |
|--------------------|-----------------------------------|-------------------|--------|
| • Backing          | aluminium laminated<br>glasscloth | • Total thickness | 450 µm |
| • Type of adhesive | acrylic                           |                   |        |

### Properties/Performance Values

- |                       |          |                         |         |
|-----------------------|----------|-------------------------|---------|
| • Elongation at break | 4 %      | • Noise damping (LV312) | Class C |
| • Tensile strength    | 270 N/cm |                         |         |

### Adhesion to Values

- |         |        |
|---------|--------|
| • Steel | 6 N/cm |
|---------|--------|

### Additional Information

Adhesion to steel: Backing breaks at forces greater than 6 N/cm

- Standard widths: 50, 68, 80, 100, 130, 160 mm
- Standard length: 50 m
- Most combinations of width and length are possible
- Kiss-cut available on request

Harness diameter / tesa® Sleeve width recommendation

- Ø 8 mm - 10 mm / 50 mm
- Ø 10 mm - 15 mm / 68 mm
- Ø 16 mm - 19 mm / 80 mm
- Ø 20 mm - 25 mm / 100 mm
- Ø 26 mm - 35 mm / 130 mm
- Ø 36 mm - 43 mm / 160 mm

\*Smaller harness diameters need to be tested individually

- Standard core diameter: 76 mm



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