68000
PV17

Product Information

Aluminum laminated glass cloth Sleeve® for radiant heat reflection and enhanced flexibility in the automotive 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.

Main features:

- Superior radiant heat reflection
- High temperature resistance
- High flexibility
- Ageing-resistant
- Resistant to environmental influences
- Self extinguishing
- Flexible and smooth

Color: silver

Liner: silicone

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

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- -110°C at 550°C heat source temperature

Main Application

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.

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 bundling and wire protection in areas with increased demands for radiant heat protection. The major application is field wire harness segment 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 used for specification purposes.

Product Construction

- Backing: aluminum laminated glasscloth
- Type of adhesive: acrylic
- Total thickness: 450 µm 17.7 mils

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Properties/Performance Values

• Elongation at break	4 %	• Noise damping (LV312)	Class C
• Tensile strength	270 N/cm 154.2 lbs/in		

Adhesion to Values

• Steel	6 N/cm 54.8 oz/in

Additional Information

*Adhesion to steel: Backing breaks at forces greater than 6 N/cm 54.8 oz/in

Standard widths: 50, 68, 80, 100, 130, 160 mm
Standard length: 50 m

- Most combinations of width and length are possible
- Also available as kiss-cut 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

Disclaimer

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