tesa® Supersleeve 51036 PV6

Product Information

Double-layer PET cloth sleeve for abrasion protection and enhanced harness flexibility in automotive engine compartment

Product Description

tesa Supersleeve® 51036 PV6 is a PET cloth wire harness Sleeve® with a solvent-free advanced acrylic adhesive. It provides superior abrasion protection and withstands high temperatures and demanding environmental conditions.

Its acrylic adhesive is compatible with new halogen-free cable jacketing materials (PE/PP) and provides enhanced durability at high temperatures. tesa Supersleeve® 51036 PV6 is specifically designed for easy and efficient lengthwise application. The Supersleeve® product construction ensures minimum adhesive contact with the wires to provide maximum harness flexibility and the adhesive-to-adhesive closure system guarantees secure bonding without additional spot wraps.

Customized length-specific perforation for fast and clean tearing is available on request.

*Available in black and orange

Product Features

• Superior abrasion resistance
• High temperature resistance
• High flexibility
• Easy and efficient lengthwise application
• Adhesive-to-adhesive closure system
• Secure bonding without additional spot wraps
• Excellent cable compatibility
• Ageing-resistant
• Resistant to environmental influences
• Flame-retardant
• Fogging-free
• Halogen-free
• Tear-resistant

Application Fields

tesa Supersleeve® 51036 PV6 has been developed for bundling wire harness areas subject to exacting requirements for temperature and abrasion resistance as well as harness flexibility. The main application field is the automotive engine compartment with demanding temperatures and environmental conditions.

For latest information on this product please visit http://l.tesa.com/?ip=51036

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Product Information

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	PET cloth	• Total thickness	530 µm
• Type of adhesive	advanced acrylic		

Properties/Performance Values

• Abrasion resistance (10mm mandrel, LV312)	Class E	• Temperature resistance max.	150 °C
• Abrasion resistance (5mm mandrel, LV312)	Class D	• Temperature resistance min.	-40 °C
• Noise damping (LV312)	Class B		

Adhesion to Values

• Steel	5 N/cm

Additional Information

- Standard widths: 67, 85, 100, 115, 130, 145, 160, 180, 195 mm
- Standard lengths: 50 m
- Most combinations of width and length are possible
- Also available with customized perforation (perforation lengths between 100-940 mm)

Standard perforation lengths:

- Sleeve length between 100 mm and 200 mm in 10 mm increments.
- Sleeve length between 200 mm and 500 mm in 20 mm increments.

Further dimensions are available on request (range between 50 mm up to 940 mm), but:

- Perforations<100 mm are technically feasible, but have a slower production speed resulting in a higher price
- Perforations >500 mm are not recommended due to handling and therefore the perforation should be split into two (example: 600 mm required length = 300 mm perforation increments).

Harness diameter / tesa Supersleeve® width recommendation

- < Ø 12 mm / 67 mm
- Ø 12 mm – 16 mm / 85 mm
- Ø 16 mm – 19 mm / 100 mm
- Ø 19 mm – 24 mm / 115 mm
- Ø 24 mm – 29 mm / 130 mm
- Ø 29 mm – 33 mm / 145 mm
- Ø 33 mm – 38 mm / 160 mm
- Ø 38 mm – 45 mm / 180 mm

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Additional Information

- Ø 45 mm – 49 mm / 195 mm
- Standard core diameter: 76 mm

Disclaimer

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