



tesa® 54335 PV0 PunctureGuard



Product Information

High performance sealing patch for hole covering applications

Product Description

tesa® 54335 PunctureGuard combines a strong etched PET layer with a thick acrylic adhesive sealer.

Product Features

This product is optimized for the automotive industry to cover exterior holes that require excellent puncture resistance, reliable paint anchorage and perfect sealing in combination with best stone chipping protection even under harsh conditions.

Application Fields

tesa® 54335 PunctureGuard can be applied before and after paint shop along the automotive production process, e.g. in underbody and floor areas, engine compartments and wheel houses.

Main product features:

- Excellent puncture resistance
- Stone chipping protection even at lowest temperatures
- Reliable corrosion protection and sealing against water ingress
- Good acoustic insulation properties for higher drive comfort
- Temperature resistance (dimensional stability) up to 160 °C
- Good UBC (PVC) compatibility and reliable paint anchorage
- Secure adhesion to steel, aluminum, plastics, painted substrates, and reinforced plastic substrates in automotive lightweight constructions

Our aim is to fully understand your application (including the substrates involved) in order to provide the right product recommendation and to ensure the highest performance possible.

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 | • Total thickness | 990 µm |
| • Type of adhesive | modified acrylic | • Color | gray |
| • Type of liner | PE-coated paper | | |

Properties/Performance Values

- | | | | |
|-----------------|----------------------|---|--------|
| • Area weight | 900 g/m ² | • Puncture resistance | 1000 N |
| • Noise damping | good | • Sealing performance (IPX7 acc. ISO 20653:2023-08) | yes |

For latest information on this product please visit <http://l.tesa.com/?ip=54335>



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Adhesion to Values

- Steel 12 N/cm

Additional Information

Puncture resistance acc. tesa® J0PM0232, measured from backing side 24 h after application at room temperature:

Test climate = $23 \pm 1^\circ\text{C}$ / $50 \pm 5\%$ relative humidity

Substrate = e-coated panel, 0.7 mm thickness and hole diameter of 30 mm

Patch diameter = 50 mm

Pin diameter = 20 mm

Pressurization = 4 kg roll, 5 x back and forth

Test speed = 300 mm/min

tesa® 54335 PunctureGuard is available upon request in customer specific patch dimensions can be delivered according to customer requirements and applications in either roll or sheet form.

Also available as:

- tesa® PunctureGuard 54335 PV1 in 690 μm
- tesa® PunctureGuard 54335 PV2 in 1690 μm

We support your individual application process with tesa designed dispensing solutions to ensure a quick and reliable sealing of holes in the car body.

By fitting your robot with the best end arm tooling we enable a smart automation concept in your production site. Ask for our tesa® EfficienSeal dispensing tool to ensure a highly efficient and automated patch application.



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