

tesa® 54349

90% PCR PET

Product Information



Sealing patch for exterior hole covering applications with sustainable content

Product Description

tesa® 54349 combines a strong PET layer, consisting of 90% post-consumer recycled (PCR) content, with a powerful solvent-free acrylic adhesive including bio-based tackifiers. This product is optimized for the automotive industry to securely cover holes that require excellent sealing properties in combination with very high-temperature resistance. To ensure a secure and precise hole covering application, this product can be delivered with target printing on top of the transparent die cut.

Sustainable Aspects



For more information: <https://www.tesa.com/product-sustainability>

Product Features

- 90% post-consumer recycled (PCR) PET content in backing
- High transparency for secure application and easy quality control
- Excellent puncture resistance and stone chipping protection
- Excellent temperature resistance up to 180°C
- Reliable corrosion protection
- Good paint anchorage and UBC (PVC) compatibility
- Very good resistance to chemicals
- Secure adhesion on steel, aluminum, plastics, painted substrates, and reinforced plastic substrates in automotive lightweight constructions, e.g. CFRP

Application Fields

tesa® 54349 is especially suitable for various exterior hole covering applications along the automotive production process. Example applications are:

- After e-coat where good compatibility to UBC (PVC) and sealing is required, e.g. car underbody, wheel arches, engine compartment
- Before paint shop where good paint compatibility is essential
- At the assembly line for hole covering on all car body areas, e.g. pillars, rocker, front/rear floor

To ensure the highest performance possible, we aim to fully understand your application (including the substrates involved) in order to provide the right product recommendation.

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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

| | | | |
|--------------------|-------------------------------------------|-------------------|-------------|
| • PET | Post-consumer recycled content of backing | • Total thickness | 260 µm |
| • Type of adhesive | modified acrylic | • Color | transparent |
| • Type of liner | glassine | • Color of liner | yellow |

Properties/Performance Values

| | | | |
|-----------------------|-----------|-----------------------------------|-----------|
| • Abrasion resistance | good | • Printability | very good |
| • Chemical Resistance | very good | • Puncture resistance | 880 N |
| • Conformability | low | • Temperature resistance (30 min) | 180 °C |
| • Humidity sealing | very good | • UBC / Paint compatibility | good |

Adhesion to Values

| | |
|-------------------|---------|
| • Steel (initial) | 10 N/cm |
|-------------------|---------|

Additional Information

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

- Test climate = 23 ± 1 °C/ 50 ± 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® 54349 is available upon request in customer specific dimensions and can be delivered according to customer requirements and applications in either roll or sheet form. 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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Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=54349PV0DC>