

tesa® 54349

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	• Colour	transparent
• Type of liner	glassine	• Colour 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 resistant	very good	• UBC / Paint compatibility	good

Adhesion to Values

• Steel (initial)	10 N/cm
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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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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