tesa® 54349
90% PCR PET

Product Information

Sealing patch for hole covering applications with high sustainable contribution

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

- High transparency for secure application
- 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 different 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.

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

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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

• Type of adhesive	modified acrylic	• Color	transparent
• Type of liner	glassine	• Color of liner	yellow
• Total thickness	260 µm		

Properties/Performance Values

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

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.

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