tesa® 54485
Fireman Access

Product Information

Allows fireman easy access to extinguish batteries

Product Description

tesa® 54485 Fireman Access is a fire-, heat- and puncture resistant multi-layer product, comprising of a glass fiber laminated aluminum layer and strong PET layer with a thick acrylic adhesive sealer.

Product Features

- Opening at high temperatures allowing fireman to flood the battery without additional equipment
- Fire and heat proofness of battery holes > 5 minutes at 500 °C (open flame)
- Reliable corrosion protection and sealing against water ingress
- Excellent puncture resistance
- Secure adhesion to steel, aluminum, plastics, painted substrates, and reinforced plastic substrates in automotive lightweight constructions

Application Fields

During battery assembly tesa® 54485 Fireman Access is applied to the inside of the battery housing. Whilst normal operation it securly seals the fireman access hole against water and dust. In case of fire in the battery pack the hole covering patch reliably shields the passenger compartment from fire and heat of the cells for 5 minutes. During fire in the pack (after 5 minutes) or the vehicle tesa® 54485 opens at high temperatures and ensures easy access for the fireman to flood the battery to safely extinguish it without additional equipment.

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 material	glassfibre / PET film	• Total thickness	9690 µm
• Type of adhesive	modified acrylic	• Colour	white
• Type of liner	PE-coated paper	• Colour of liner	white

Properties/Performance Values

• Conformability	medium	• Puncture resistance	1000 N
• Humidity resistant	very good	• Temperature resistance	very good

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:

For latest information on this product please visit http://l.tesa.com/?ip=54485

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- 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

We support your individual application process with tesa designed dispensing solutions to ensure a quick and reliable sealing of holes in battery. By fitting your robot with the best end arm tooling we enable a smart automation concept in your production site.

Disclaimer

For latest information on this product please visit http://l.tesa.com/?ip=54485