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Adhesive Venting Patches  
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Printing History: version 01062024

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# ADHESIVE VENTING PATCHES



# ADHESIVE VENTING PATCHES

## Description

GVS adhesive ventilation patch are designed to protect electronic and electric assembly components from contaminants like water, particles, dust, oil and other automotive fluids. At the same time they allow the air to pass freely through the filter media by providing enhanced condensation reduction and pressure equalization within the parts enclosures that are often exposed to rapid temperature fluctuations, causing extreme changes in internal pressure.

## Applications

GVS adhesive venting patch filter is particularly suitable for the following application:

- Vehicles Lighting Systems
- Electronic Control Units (ECUs)
- Sensors and Actuators
- Horns
- Dashboard and HMI Panels
- Other Electrical and Electronic devices



	30,0 mm x 40,0 mm (ID = 6,5 mm)	30,0 mm x 40,0 mm (ID = 8,9 mm)	30,0 mm x 40,0 mm (ID = 7,1 mm)	30,0 mm x 40,0 mm (ID = 5,5 mm)	30,0 mm x 40,0 mm (ID = 3,5 mm)								
<b>Materials</b>	Black ePTFE membrane Adhesive layer	White ePTFE membrane Adhesive layer	Black ePTFE membrane Adhesive layer	White FORTEX membrane Adhesive layer	White ePTFE membrane Adhesive layer	Black ePTFE membrane Adhesive layer	White FORTEX membrane Adhesive layer	White ePTFE membrane Adhesive layer	Black ePTFE membrane Adhesive layer	White FORTEX membrane Adhesive layer	White ePTFE membrane Adhesive layer	Black ePTFE membrane Adhesive layer	White FORTEX membrane Adhesive layer
<b>Membrane characteristics</b>	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)	Hydrophobic & Oleophobic (Oil resistance rating > 6)
<b>Operating temperatures</b>	-40°C to 150°C	-40°C to 150°C	-40°C to 150°C	-40°C to 125°C	-40°C to 150°C	-40°C to 150°C	-40°C to 125°C	-40°C to 150°C	-40°C to 150°C	-40°C to 125°C	-40°C to 150°C	-40°C to 150°C	-40°C to 125°C
<b>Minimum Airflow at 0,07 bar for assembled part</b>	>48,6 l/h	>42,0 l/h	>14,4 l/h	>10,5 l/h	>21,1 l/h	>8,8 l/h	>6,5 l/h	>16,9 l/h	>4,8 l/h	>4,0 l/h	>7,0 l/h	>2,0 l/h	>1,0 l/h
<b>Typical Airflow at 0,07 bar for assembled part</b>	69,4 l/h	52,5 l/h	18,0 l/h	15,0 l/h	27,3 l/h	11,4 l/h	12,0 l/h	22,1 l/h	6,2 l/h	6,0 l/h	9,1 l/h	2,6 l/h	1,5 l/h
<b>Minimum Water Entry Pressure (WEP) for assembled part</b>	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec	> 350 mbar for 60 sec
<b>Moisture Vapor Transmission Rate (MVTR)</b>	> 400 mg/day	> 80 mg/day	> 80 mg/day	> 80 mg/day	> 50 mg/day	> 50 mg/day	> 50 mg/day	> 30 mg/day	> 30 mg/day	> 30 mg/day	> 12 mg/day	> 12 mg/day	> 12 mg/day

## Features

- Customized shape and dimension available upon request
- Degrees of protection IPX7-IP6KX
- Thermal test according to ISO 16750-4
- Oleophobic treatment according to AATCC 118 Standard Test Method
- Compatible with water, automotive fluids and road contaminants

## Storage temperature Range

GVS recommends to store the product in cool dry conditions (22°C, 50%RH) and out of direct sunlight. Adhesive parts are most easily removed from the product carrier within one year of packaging date.

The above information are for reference only with the sole purpose to define the best fitting product for the user's application. The use of GVS products in specific applications may give varying results, according to the specific conditions and applications. GVS assumes no responsibility for damages resulting from the incorrect use of its products.

