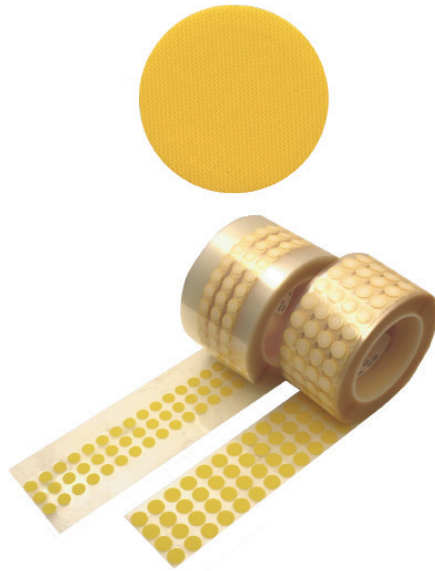


# DATA SHEET



## Protective membranes DAM-AD, 12 pcs

### Description



### Characteristic features

- Continuous pressure adjusting at low and high pressure
- Hydrophobic and oil repellent, environment and dirt resistant
- Breathable at high airflow rate
- High pressure of water
- Operating range -37 to +121 °C
- suitable for Pick & Place
- Easy to handle
- Long durability
- Self-adhesive
- Low cost

### Areas of application

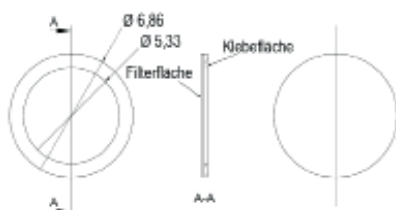
- Protection of sensors and electronics devices
- Process technology
- Automotive industry

### Technical data

Protective pressure adjusting membranes	
Material	100 % PTFE
Pressure of water	> 1 bar, ASTM D751
Oil repellent	Class 8 (Scale 0 to 8) AATCC 118-1992
Operating temperature range	-37 °C to +121 °C
Airflow rate ASTMD737	500 ml / min / cm <sup>2</sup> @ 1 psi
Humidity steam- porosity rate	> 500 g / m <sup>2</sup> / h JIS L1099 B-2
Depth	0,13 mm
Pore size	0,7 µm
IP-protection class	IP 67
Minimal processing temperature	10 °C
Outer, inner diameter	Article no.
6,7 mm 5,3 mm	DAM-AD7
10,2 mm 5,5 mm	DAM-AD10
12,7 mm 7,1 mm	DAM-AD12
17 mm 13 mm	DAM-AD17

### Features

The protective membranes of the type series DAM-AD are self-adhesive, hydrophobic and oil repellent PTFE membranes for pressure adjusting as well as for protection of sensors or electronic devices against environmental influences. The yellow membrane, which is laminated with acrylic adhesive on the carrier foil, prevents the intrusion of water, oil, dust and dirt and protects against heat and humidity. At the same time the membranes offer a high airflow rate, so that the measuring behavior of the sensors normally stays unimpaired. The membranes reduce critical errors and increase the durability of the protected devices. In contrast to screwable or clippable membranes this model offers the chance of mechanical Pick & Place processing with high precision and speed at optimal ventilation of closed housings - but also manually sticking down is not complicated. 4 different sized models with outer diameters between 6,7 and 17 mm are available. The operating temperature range is -37 to +121 °C. With a shorter operating time you can use the membranes at up to +177 °C. Areas of application are in the field of sensors and in the process industry. Great amounts are used for protecting electrical devices in the automotive industry.



For further information, please visit our website:  
[www.bb-sensors.com](http://www.bb-sensors.com)