

# OXYPAD® SELF-ADHESIVE MEMBRANE PADS

Protect your housing against water and dust

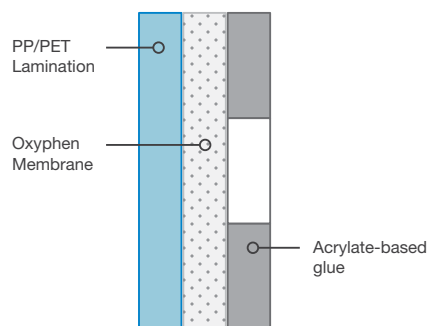
As a worldwide leader in track-etched membrane technology, Oxyphen offers OxyPad® self-adhesive membrane pads. These 100% PFOA free hydrophobic and oleophobic treated membrane vents provide consistent pressure equalization which reduces seal stress, minimizes condensation, and protects the housing from the ingress of water, harmful liquids, and other particulates. This can help to increase lifetime and reliability for your device and application.

Our vents, which are available in various sizes and membrane properties, can be easily integrated from inside or outside the enclosure via manual or automated assembly. Even for individual airflow and protection requirements, Oxyphen can serve as a partner to help bring your innovative product design or concept to life.

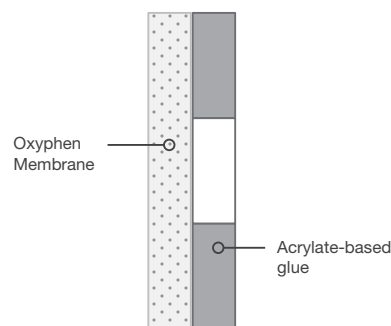
## Key Benefits

- 100% Free of PFOA: Compliant with (EC) 1907/2006 REACH / Regulation (EU) 2019/1021 POP
- Precisely defined pore-size and pore-density for unmatched airflow and WEP stability
- Various adhesives available
- Smooth surface properties for excellent liquid repellency
- Wide variety of customizable design options
- Can be easily integrated into automatic assembly processes
- Available with backing for increased mechanical stress resistance

### Self-adhesive pad with lamination



### Self-adhesive pad without lamination



## Standard Sizes

<b>Outer Diameter [mm]</b>	5	7	8	10	14
<b>Free membrane diameter [mm]</b>	2	3	4	5.5	8

Note: Other dimensions are available on request

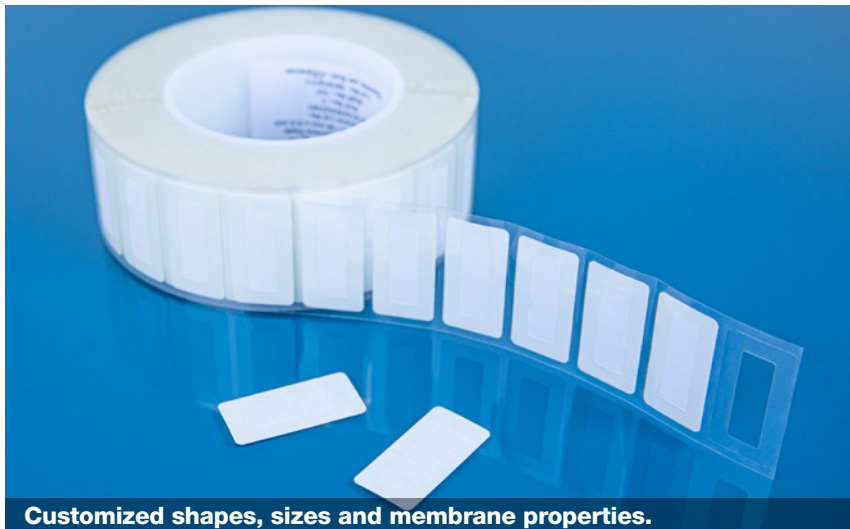
## Available Options

<b>Temperature range, standard adhesive</b>	- 40 .... + 125° C
<b>Temperature range, high-temperature adhesive</b>	- 40 .... + 150° C
<b>Hydrophobic/ Oleophobic treatment</b>	Grade up to 7.5; AATCC TM 118
<b>Salt spray resistance test<sup>2</sup></b>	According to IEC 60068-2-52
<b>Temperature resistance test<sup>1</sup></b>	In accordance with ISO 16750-4
<b>Ice water shock test<sup>1,2</sup></b>	In accordance with ISO 16750-4
<b>Climate resistance test</b>	In accordance with DIN EN 60068-2-67
<b>Chemical resistance test<sup>1</sup></b>	According to LV124/ ISO 16750-5
<b>IP Protection<sup>1</sup></b>	IP 64/65/66/67/68, according to DIN 40050

<sup>1</sup> Testing in progress

<sup>2</sup> Based on customer validation

For membranes requiring high protection levels or for those with maximum gas flow, Oxyphen can combine different types of adhesives to customize a solution which best meets the requirements of the customer.



**Customized shapes, sizes and membrane properties.**

## Membrane Technologies Available

- Unique-Mem® track-etched membrane technology
- RoTrac® track-etched membrane technology
- Fiber-based membrane technology

## Related Venting Applications



**Automotive Lighting**



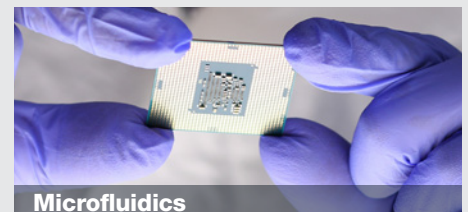
**EV Batteries & Battery Packs**



**Healthcare & Medical Devices**



**Electronics & Sensors**



**Microfluidics**