

OXYPHEN FIBER-BASED MEMBRANES

Ultra-hydrophobic membranes for high air flow and dust protection

Fiber-based membranes have been surface modified with a super-hydrophobic coating. This coating makes the membrane repellant to water and other liquids while still allowing maximum airflow. These membranes are used primarily in venting applications and perform well in exterior lighting applications for de-fogging such as automotive lighting. Fiber-based membranes are easily weldable in highly automated processes for a very cost-effective solution or can be delivered as customized self-adhesive OxyPad® or customized assembly products for easy application processes.

Key Benefits

- PFOA free
- “Macro-venting” high airflow permeability
- Best de-fogging performance for exterior lighting solutions
- Excellent welding characteristics for automatized and cost-effective processing

Related Venting Applications



Automotive Headlamp Venting



Automotive Battery Venting



Industrial Venting

Material Options

RoTrac® PET fiber-based membranes

RoTrac® PP fiber-based membranes

Available Options

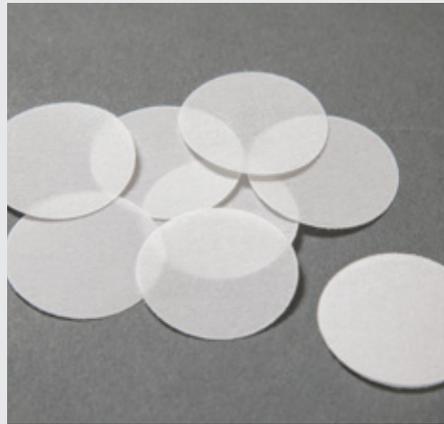
Airflow	Up to 3,000 l / (bar cm ² min)
Water entry pressure (WEP)	Splash water protection up to 30 mbar
Temperature range	-40 to + 180 °C ¹
Thickness	Nominal values 150 / 400 µm
Treatments	Hydrophobic / oleophobic treatment
Certifications	IATF 16949

¹ Actual high temperature range dependent on adhesives, welding, and material used.

Related Products



Rollstock membrane



OxyDisc® membrane discs



OxyPad® self-adhesive membrane pads



OxySeal® pressure compensation units



Assemblies & modules