

Hydrophobic and Oleophobic PP Membranes

Easily customizable for air and gas filtration

Our hydrophobic and oleophobic PP membrane resists water and low-surface tension liquids with excellent air flux.

Our specialty PP (polypropylene) membrane is easily fabricated to meet your unique application needs.

APPLICATIONS

- Venting
- Air inlet
- Water resistance
- Oil barrier
- Air and gas filtration
- Ultrasonic sealing
- Mechanical sealing
- Heat sealing



Available in various shapes and sizes to meet application needs.

FEATURES & BENEFITS

Specially selected polypropylene	Cleanliness and safety
Unique bonding technology	Enables easy fabrication
Depth filtration media	Provides high porosity, throughput, and capacity
Oleophobic/hydrophobic treatment	Repels various fluid, preventing permeation
Biosafety according to ISO 10993	Helps customer meet regulatory compliance

SPECIFICATIONS

Membrane material	PP
Pore rating	0.45 µm
Thickness	300 – 500 µm
Air flowrate @10 kPa	50 mL/min/mm ²
Water resistance	15 kPa, 15 min
Water breakthrough	23 kPa
Oil rating*	≥7
Retention rating @ 0.5 µm	99.9%
Bacterial endotoxin	<0.5 EU/ml

*According to AATCC118: Oil Repellency: Hydrocarbon Resistance Test

ORDERING INFORMATION

Part number	Shape	Pore size rating	Size
IVMCP045029008-AJO	Circle	0.45 µm	29 mm OD 8 mm ID
IVMDP045061-AJO	Disc	0.45 µm	6.1 mm diameter
IVMDP045170-AJO	Disc	0.45 µm	17 mm diameter
IVMRP045310-AJO	Roll	0.45 µm	310 mm wide
IVMSP045165115-AJO	Square	0.45 µm	16.5 mm x 11.5 mm
IVMSP045550550-AJO	Square	0.45 µm	55 mm x 55 mm
IVMSP04555077H-AJO	Square	0.45 µm	55 mm x 770 mm

Rolls, sheets, and disc sizes are available. Please contact Entegris with your requirements.

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

TERMS AND CONDITIONS OF SALE

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit [entegris.com](https://www.entegris.com) and select the [Terms & Conditions](#) link in the footer.



Corporate Headquarters

129 Concord Road
Billerica, MA 01821
USA

Customer Service

Tel +1 952 556 4181
Fax +1 952 556 8022
Toll Free 800 394 4083

Entegris®, the Entegris Rings Design®, and other product names are trademarks of Entegris, Inc. as listed on [entegris.com/trademarks](https://www.entegris.com/trademarks). All third-party product names, logos, and company names are trademarks or registered trademarks of their respective owners. Use of them does not imply any affiliation, sponsorship, or endorsement by the trademark owner.

©2023-2024 Entegris, Inc. | All rights reserved. | Printed in the USA | 9000-12786ENT-0424