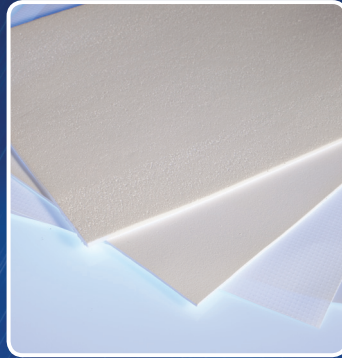
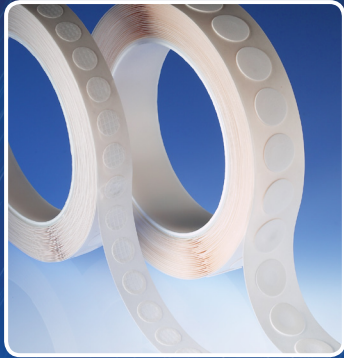


# POREX® IP-Rated Protection Vents

## PTFE Membrane Vents



### Key Benefits

- No membrane support backing required
- Chemically inert
- Thermally resistant (500°F / 260°C continuous use)
- Compatible with ultrasonic/thermal welding and insert molding
- UV and weather resistant
- UL 94 V-0, 5VA and UL 746C f1 approvals
- Omni-directional flow
- High tensile strength
- IP 64, 65, 66, 67 & 68 rated
- Resistance to thermal cycling fatigue
- Automated or manual installation
- Standard or custom sizes available
- Available in sheets, rolls, disc's or adhesive backed shapes

### Genuine Porex™: Faster, better & cost-effective functional components.

POREX® Protection Vents are used in electronic housings to protect delicate components from rough use and environmental conditions. Porex Protection Vents allow pressure equalization due to temperature changes and minimizes condensation while keeping dust, dirt, and liquid moisture out. Porex microporous polytetrafluoroethylene (PTFE) membrane is UL 94 V-0 (0.1mm) and 5VA (0.75mm) flame rated, UL 746C listed, has IP ratings up to IP67, and can be tested to meet NEMA or other standards.

Typical Membrane Properties and Ratings:

Material	Thickness	IP Rating***	UL-94	UL 746C*	Filtration >99.99%	Water Intrusion Pressure	Max Temp	Airflow ml/min/cm <sup>2</sup>	Salt Fog <sup>1</sup>
PM21M	130 μ	64, 67, 68	V-0	f2	0.5 μ	350 mb	260°C	1500	No pen.
PM21ML**	280 μ	67, 68	-	-	0.5 μ	350 mb	100°C	1150	No pen.
PM3V	180 μ	67, 68	V-0	f2	0.4 μ	400 mb	260°C	1150	No pen.
PM6M	100 μ	65, 67, 68	V-0	f2	0.2 μ	900 mb	260°C	320	No pen.
PM22S	250 μ	65, 67, 68	V-0	f2	0.1 μ	600 mb	260°C	665	No pen.
PM23J	250 μ	65, 66, 67, 68	V-0	f2	0.1 μ	1150 mb	260°C	120	No pen.

\*f1 rating if no water immersion - contact UL

\*\*PM21ML has laminated polypropylene mesh backing

\*\*\*IP 68 is a user defined test, must be evaluated

<sup>1</sup> Test results available upon request

Minimum order quantities apply for special orders. Properties for membrane only, selected options may affect properties.

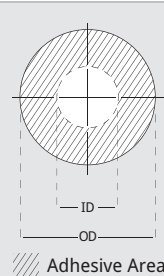
# POREX® PTFE Protection Vents

## PTFE Membrane Vents

Available Options:	
Standard Acrylic Adhesive:	-40 to 85°C continuous. Approx. 150 micron thick
High Temperature Adhesive:	-40 to 150°C continuous. Approx. 150 micron thick
Oleophobic Treatment:	Up to grade 8 AATCC TM 118 available
Black Color:	Black surface finish available
Dimensions:	For a listing of available dimensions please contact Porex or scan the QR code below
Backing:	Polypropylene mesh support backing available
Liner:	Silicone release paper or transparent film
Presentation:	Between 1-10 depending on part dimension

### Stock Product Offering - Adhesive Discs

Dimensions OD/ ID (mm)*	Material Series		
	PM21ML	PM3V	PM22S
7.0/3.0	PAD21MLN	PAD3VN	PAD22SN
10.0/7.0	PAD21MLI	PAD3VI	PAD22SI
12.7/7.1	PAD21MLW	PAD3VW	PAD22SW
20.0/13.0	PAD21MLC	PAD3VC	PAD22SC



Dimensions OD/ ID (mm)*	Material Series	
	PM3V	
12.7/7.1	PAD3VWH	With high temp adhesive
12.7/7.1	PADB3VWH	Black with high temp adhesive
12.7/7.1	PAD3VTWH	Oleophobic with high temp adhesive

\*1000 discs/roll

Many other standard and custom sizes available.  
Please contact your local Porex representative for availability.



The "Genuine Porex" label is a promise that this product has been rigorously designed and tested to meet the highest standards of performance.

If it's not Porex, it's not Genuine.



Scan this QR Code to view a list of available dimensions.



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