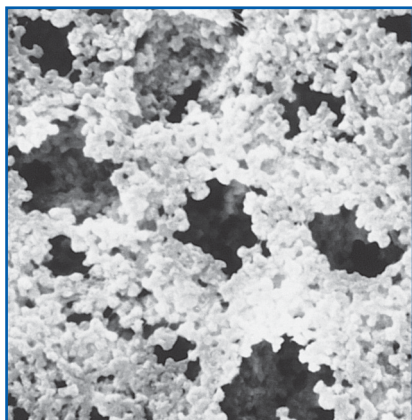


## Nylasorb™ Nylon Membrane Disc Filters

Pure nylon membrane specifically for the requirements of acidic dry deposition (acid rain) measurements



### Specifications

**Filter Media**

Nylon

**Maximum Operating Temperature**

180 °C (356 °F)

**Pore Size**

1 µm (nominal)

**Maximum NO<sub>3</sub><sup>-</sup> Background Level**

0.025 µg/cm<sup>2</sup>

**Typical Thickness**

90 µm (3 mils)

### Ordering Information

**Nylasorb Membrane Disc Filters, 1 µm**

Part Number	Description	Pkg
66509	47 mm	100/pkg
66510	90 mm	50/pkg

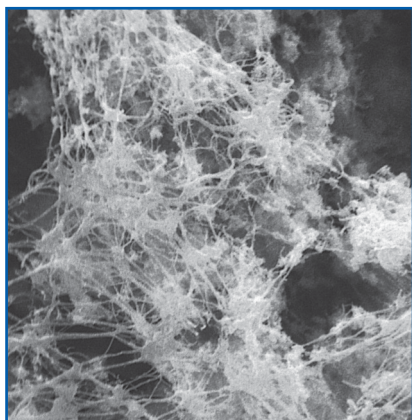
- ▶ Selectively adsorbs HNO<sub>3</sub> and SO<sub>2</sub>.
- ▶ Accurate HNO<sub>3</sub> determinations. Adsorbs extremely low levels of NO, NO<sub>2</sub>, and polynuclear aromatic hydrocarbons (PAHs).
- ▶ Assures low background levels of NO<sub>3</sub><sup>-</sup> and SO<sub>4</sub><sup>2-</sup>. Each lot tested by ion chromatography.

### Applications

- ▶ For acidic dry deposition measurements.

## PTFE Membrane Disc Filters

Strong, chemically resistant membranes for air monitoring and sampling in aggressive environments



- ▶ Low chemical background permits highly sensitive, interference-free determinations.
- ▶ Ensures accurate gravimetric determinations with low tare mass.
- ▶ Zefluor™ membrane, available in 0.5 µm pore size.
- ▶ Ideal for filtration of gas and/or organic solvents.

### Applications

- ▶ For air monitoring and sampling in aggressive environments.
- ▶ Supported membranes offer increased durability for hostile testing environments or acid aerosol monitoring.
- ▶ Teflo membrane offers unique PMP support ring for PM 10 dichotomous and other air sampling techniques.
- ▶ Ultimate in chemical compatibility for filtering harsh chemicals and HPLC mobile phases that destroy other membrane materials.

## Specifications

Description	Zefluor™ Membrane	Teflo Membrane	Zylon™ Membrane	TF (PTFE) Membrane
<b>Filter Media/Support</b>	PTFE with PTFE support	PTFE with PMP (polymethyl-pentene) support ring	Unsupported PTFE	PTFE on a polypropylene support
<b>Typical Thickness</b>	0.5 µm: 178 µm (7 mils) 1 µm: 165 µm (6.5 mils) 2 and 3 µm: 152 µm (6 mils)	1 µm: 76 µm (3 mils) 2 µm: 46 µm (1.8 mils) 3 µm: 30.4 µm (1.2 mils)	140 µm (5.5 mils)	0.2 µm: 139 µm (5.5 mils) 0.45 and 1 µm: 135 µm (5.3 mils)
<b>Typical Air Flow Rate</b> L/min/cm <sup>2</sup> at 0.7 bar (70 kPa, 10 psi)	0.5 µm: 1 1 µm: 14.6 2 µm: 25.3 3 µm: 53	1 µm: 17 2 µm: 53 3 µm: 90	5 µm: 13	0.2 µm: 2 0.45 µm: 3 1 µm: 7
<b>Minimum Bubble Point - IPA</b> bar (psi)	Not applicable	Not applicable	Not applicable	0.2 µm: 1.0 (15) 0.45 µm: 0.4 (6) 1 µm: 0.1 (2)
<b>Water Breakthrough</b> bar (psi)	Not applicable	Not applicable	Not applicable	0.2 µm: 2.8 (40) 0.45 µm: 1.1 (16) 1 µm: 1.0 (15)
<b>Typical Aerosol Retention*</b>	0.5, 1, and 2 µm: 99.99% 3 µm: 99.98%	1 and 2 µm: 99.99% 3 µm: 99.79%	Not applicable	Not applicable

\*Following ASTM D 2986-95A 0.3 µm (DOP) at 32 L/min/100 cm<sup>2</sup> filter media.

## Ordering Information

### Zefluor and Zylon Membrane Disc Filters

Part Number	Description	Pkg
P5PQ025	Zefluor, 0.5 µm, 25 mm	100/pkg
P5PQ047	Zefluor, 0.5 µm, 47 mm	50/pkg
P5PL025	Zefluor, 1 µm, 25 mm	100/pkg
P5PL037	Zefluor, 1 µm, 37 mm, with support pads	50/pkg
P5PL047	Zefluor, 1 µm, 47 mm	50/pkg
P5PL090	Zefluor, 1 µm, 90 mm	50/pkg
P5PL001	Zefluor, 1 µm, 8 x 10 in.	25/pkg
60048	Zefluor, 2 µm, 25 mm	100/pkg
P5PJ037	Zefluor, 2 µm, 37 mm, with support pads	50/pkg
P5PJ047	Zefluor, 2 µm, 47 mm	50/pkg
60224	Zefluor, 2 µm, 70 mm	25/pkg
P5PJ001	Zefluor, 2 µm, 8 x 10 in.	25/pkg
60230	Zefluor, 3 µm, 50 mm	50/pkg
60214	Zefluor, 3 µm, 63 mm	100/pkg
60537	Zefluor, 3 µm, 90 mm	25/pkg
P5PI001	Zefluor, 3 µm, 8 x 10 in.	25/pkg
P4PH037	Zylon, 5 µm, 37 mm, with support pads	50/pkg
P4PH047	Zylon, 5 µm, 47 mm	50/pkg

### Teflo Membrane Disc Filters

Part Number	Description	Pkg
R2PL037	1 µm, 37 mm	50/pkg
R2PL047	1 µm, 47 mm	50/pkg
R2PJ037	2 µm, 37 mm	50/pkg

### Teflo Membrane Disc Filters

Part Number	Description	Pkg
R2PJ041	2 µm, 41 mm	50/pkg
R2PJ047	2 µm, 47 mm	50/pkg
66695	2 µm, 47 mm	50/pkg
R2PI025	3 µm, 25 mm	50/pkg
60146	3 µm, 47 mm	50/pkg

### TF (PTFE) Membrane Disc Filters

Part Number	Description	Pkg
66141	TF 200, 0.2 µm, 13 mm	100/pkg
66142	TF 200, 0.2 µm, 25 mm	100/pkg
66143	TF 200, 0.2 µm, 47 mm	100/pkg
66630	TF 200, 0.2 µm, 50 mm	100/pkg
66145	TF 200, 0.2 µm, 142 mm	25/pkg
66146	TF 200, 0.2 µm, 293 mm	25/pkg
66147	TF 450, 0.45 µm, 13 mm	100/pkg
66148	TF 450, 0.45 µm, 25 mm	100/pkg
66149	TF 450, 0.45 µm, 47 mm	100/pkg
66631	TF 450, 0.45 µm, 50 mm	100/pkg
66151	TF 450, 0.45 µm, 142 mm	25/pkg
66152	TF 450, 0.45 µm, 293 mm	25/pkg
66153	TF 1000, 1 µm, 13 mm	100/pkg
66154	TF 1000, 1 µm, 25 mm	100/pkg
66159	TF 1000, 1 µm, 37 mm, with support pads	100/pkg
66155	TF 1000, 1 µm, 47 mm	100/pkg
66158	TF 1000, 1 µm, 293 mm	25/pkg