Description

Membrane for Air Monitoring Applications

- Dissolves completely using standard digestion procedures.
- Cleans completely, possesses low artifacts, and offers minimal interference in fiber counting.

Application

- GN-4 Metricel filters meet NIOSH requirements for airborne metals and asbestos monitoring.

Specifications

Filter Media
- Hydrophilic mixed cellulose esters

Pore Size
- 0.8 µm, 0.45 µm

Typical Thickness
- 152 µm (6 mils)

Typical Filter Weight
- 4 mg/cm²

Typical Water Flow Rate
- 0.8 µm: 129 mL/min/cm² at 0.7 bar (70 kPa, 10 psi)
- 0.45 µm: > 65 mL/min/cm² at 0.7 bar (70 kPa, 10 psi)

Typical Air Flow Rate
- 0.8 µm: 55 L/min/3.7 cm² at 0.9 bar 90 kPa, 13.5 psi

Maximum Operating Temperature – Water
- 74 °C (165 °F)

Typical Moisture Pick-Up
- < 1% after 24 hr at 48% relative humidity at 23 °C (73 °F)

Extractables - Boiling Water
- < 2%

Minimum Bubble Point - Water
- 1.0 bar (100 kPa, 15 psi)

Refractive Index
- 1.512

Related Products

- 47 mm Magnetic Filter Funnels
25 mm Air Monitoring Cassettes  
37 mm Air Monitoring Cassettes  
Analyslide® Petri Dish  
25 mm In-Line Filter Holder, Delrin Plastic  
47 mm In-Line Filter Holder, Polycarbonate  
25 and 47 mm In-Line Filter Holders, Stainless Steel  
47 mm In-Line Filter Holder, Aluminum  
Open-Face Filter Holders  
Stainless Steel Forceps  
Vacuum/Pressure Pumps

### Ordering Information

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### Contact Information

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Map

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