



## MIN Nylon Membrane

### High Performance Pleated Membrane Cartridges Product Specifications

MIN Nylon Membranes are economical grade, high surface area pleated membranes.

#### Features and Benefits:

##### Absolute Rated

- 99.98% efficiency
- $\beta=5000$

##### Pleated Cartridge

- 7.5 ft<sup>2</sup> Effective Filtration Area, nominal
- Drainage Layers on both sides of media

##### Polypropylene Construction

- Ultrasonic Sideseams
- Thermally Bonded Polypropylene End Caps
- No adhesives or Laminates

#### Applications:

- Food and Beverage
- Wine and Beer
- Process Filtration
- Alkalis and Solvents

Ask your filter distributor or Chemflo for compatibility.

#### Tailored Product Options Available:

**CHEMFLO's** products can be tailored for your application.

#### Tailored Features Selected:

- DOE end cap configuration
- Buna gaskets

#### Standard product dimensions:

- Length: 10 to 40 inches (25.4 – 101.6 cm)
- Outside Diameter: 2.75 inches (7 cm)

#### Maximum Differential Pressure:

- Forward: 50 psi at 20 °C
- Reverse: 40 psi at 20 °C

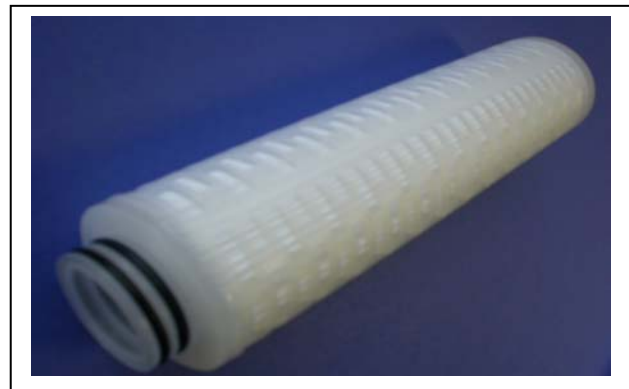
#### Sanitization/Sterilization

Filtered Hot Water: .....90°C

Chemical Sanitization...Industry standard concentrations of hydrogen peroxide, sodium hypochlorite and other selected chemicals. Nylon does not tolerate heavy concentrations of common sanitization agents. Ask your Chemflo representative which method is right for you.

#### Nylon Membrane Features:

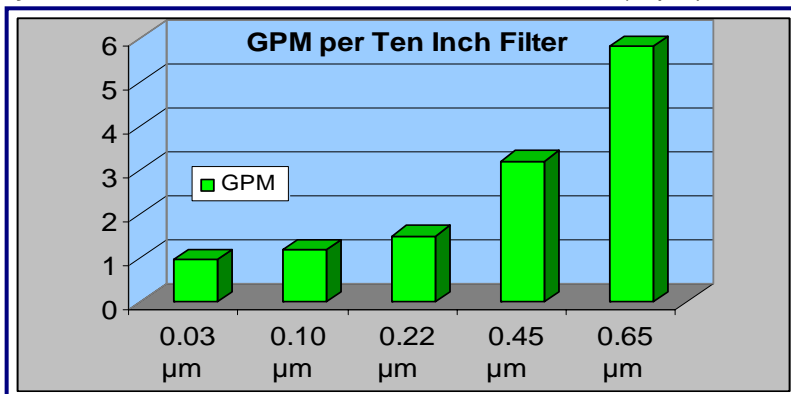
- Micron Ratings Available: 0.03µm, 0.1µm, 0.22µm, 0.45µm, and 0.65µm
- Flushed with 17+ megohm-cm water
- All materials are FDA accepted.
- Final assemblies have been validated to pass USP class 6 Toxicology extractable tests, oxidizable substances for plastics, endotoxin level and other quality tests.



**MIN Nylon Membrane**  
(222 end cap configuration shown)

**Flow Rates** Typical water flow at 69 mbar (1 psi) across one 10 inch filter element in water at ambient temperatures. Use this information to size filter vessels but take care 1) to account for dirt loading and 2) to add clean pressure drop across housing and across the 1" orifice in the element. Please contact your Chemflo representative for vessel sizing.

*Nylon membrane water flow rates at 69 mbar (1 psi):*



#### Integrity Test Specifications

(per 10 inch length – water wetted)

#### Pore Size Air Diffusion Rate:

0.03 µm	< 55 cc/min. at 60 psi (4137 mbar)
0.1 µm	< 55 cc/min. at 48 psi (3307 mbar)
0.22 µm	< 55 cc/min. at 35 psi (2412 mbar)
0.45 µm	< 55 cc/min. at 20 psi (1378 mbar)
0.65 µm	< 55 cc/min. at 15 psi (1034 mbar)

### Exclusive Distribution Partner:

6823 Fulton Street. Houston, Texas 77022