

# Pleated Nylon 6,6 Membrane

Mem-PLEAT N & Pur-MAXX N

▪ Reagent Grade Chemicals

▪ API Chemicals

▪ Fine Chemicals

▪ Biological Fluids

Strainrite's [Pleated Nylon Membrane Cartridges](#) are highly retentive, naturally hydrophilic nylon membrane filters that are specially designed for critical filtration requirements of aqueous fluids.

The Nylon 6,6 membrane, in an all-polypropylene construction, provides excellent wet-out characteristics and superior flow performance per surface area as compared to other membrane cartridges. No additives, resins, surfactants or binders are used in the manufacturing process, which dramatically reduces rinse up time, extractables and downtime.

These cartridges are perfectly suited for critical applications where superior flow, and particle removal efficiency between 0.1 and 1.2 micron is required.

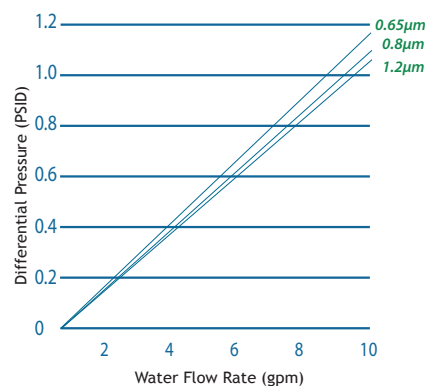
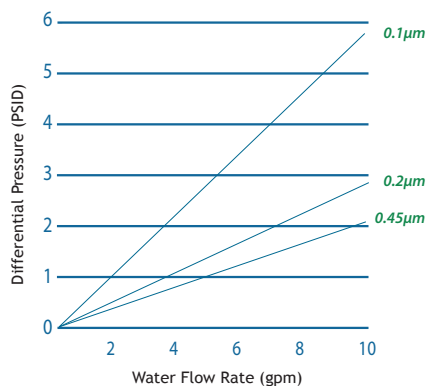


## Features & Benefits

### Mem-Pleat N & Pur-MAXX N

- 100% Hydrophilic materials of construction that are FDA listed as suitable for contact with food and beverage
- Absolute-rated media provides reliable, consistent and repeatable filtrate quality
- No adhesives, binders, resin or surfactants are used during manufacturing, resulting in superior downstream cleanliness
- Lower filter extractables than other hydrophilic membranes
- High surface area, yielding lower pressure drops and longer filter life
- Non fiber-shedding polyester and polypropylene support materials eliminate fiber migration
- Pharmaceutical Grade elements are 100% integrity tested
- IPA pre-wetting not required
- Integrity testable

## Performance Characteristics



## Specifications

### Absolute Rated Retention

0.10, 0.20, 0.45, 0.65, 0.80, 1.20

### Maximum Differential Pressure

Forward: 75 psid (5.1 bar) @ 75°F (24°C)  
 40 psid (2.8 bar) @ 180°F (82°C)  
 Reverse: 50 psid (3.4 bar) @ 75°F (24°C)

### Maximum Operating Temperature

180°F (82°C) Continuous Duty Polypropylene  
 275°F (135°C) Continuous Duty Polyester

### Toxicity

Cartridge materials meet CFR 21  
 for food and beverage contact

### Sterilization

Cartridge can be sterilized via steam or  
 Autoclave. Cartridge may be sanitized  
 in place with common sanitizing agents,  
 contact factory for chemical compatibility

### Packaging Economy

Bulk packaging in case quantities  
 to reduce material disposal:

5 inch	48 per carton
10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

## Materials of Construction

### Filter Media

Nylon 6,6 cast on polyester

### End Caps

Polypropylene  
 Polyester

### Pleat Support Material

Polypropylene  
 Polyester

### Cage/Core

Polypropylene  
 Polyester

### Seals

Buna N  
 Fluorocarbon  
 EPDM  
 Silicone  
 PTFE  
 FEP Encapsulated Fluorocarbon  
 FEP Encapsulated Silicone

### Sealing

Thermal Bond

## Dimensions

### Mem-Pleat N

**Outside Diameter**  
 2.55" (6.48cm)

**Approx. Surface Area**  
 6.8ft<sup>2</sup> per 10" equivalent

### Lengths

5" (12.7cm)  
 10" (25.4cm)  
 20" (50.8cm)  
 30" (76.2cm)  
 40" (102cm)

### Pur-MAXX N

**Outside Diameter**  
 2.7" (6.87cm)

**Approx. Surface Area**  
 6.8ft<sup>2</sup> per 10" equivalent

### Lengths

5" (12.7cm)  
 10" (25.4cm)  
 20" (50.8cm)  
 30" (76.2cm)  
 40" (102cm)

## Ordering Information

