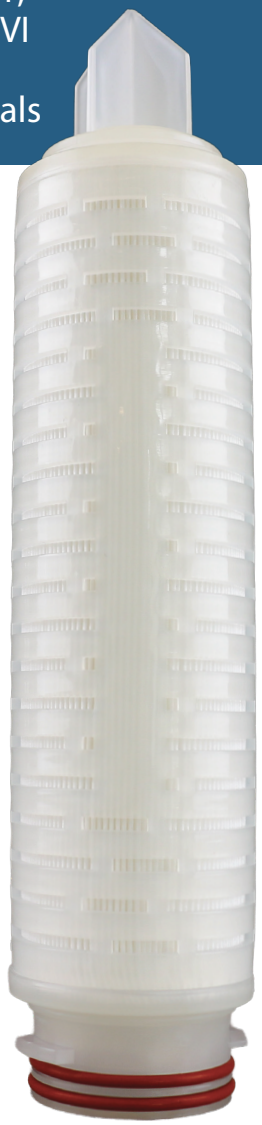
Mem-PLEAT E & Pur-MAXX E

Pleated Polyethersulfone Membrane

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Strainrite's Clarity filter cartridges** are used for the clear filtration of liquids, whether it be for sterilization or to separate micro-organisms
- **High Surface Area Membrane** offers excellent life and flux rates, while providing absolute-rated filtration
- **Thermally bonded construction** without the use of adhesives or binders, resulting in lower extractables
- **High strength design** allowing for extended use and multi-autoclave cycles
- **All materials of construction are FDA compliant** with CFR Title 21, Pharmaceutical grades are bio-safe in accordance with USP Class VI
- **Non fiber-shedding** Polyester and Polypropylene support materials



PRODUCT DESCRIPTION

Strainrite's Clarity™ Pleated Polyethersulfone Membrane Cartridges were developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.

Hydrophilic asymmetric polyethersulfone membrane ensures excellent flow rates, broad chemical compatibility, low protein binding, low extractability, high mechanical strength, and temperature resistance in a variety of applications for the biopharmaceutical, microelectronics, chemical, food and beverage industries.

These cartridges meet USP Biological Reactivity Test, in vivo for class VI-121°C plastics. Sterilizable using industry recognized and accepted methods.

ABSOLUTE RATED RETENTION
0.01, 0.02, 0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2

OUTSIDE DIAMETER
MPE: 2.55" (6.48cm) | PRMXE: 2.7" (6.87cm)

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)

APPROX SURFACE AREA
6.8 square feet per 10" equivalent

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

PLEAT SUPPORT MATERIAL
Polypropylene
Polyester

FILTER MEDIA
Polyethersulfone

PRODUCTION PROCESS
Thermal Bond

CAGE/CORE
Polypropylene
Polyester

END CAPS
Polypropylene
Polyester

TOXICITY
Cartridge materials meet USP Class VI and FDA CFR 21 for food and beverage contact

STERILIZATION
Cartridge can be sterilized via steam or Autoclave: 40 times, for 60 minutes at 257°F (125°C) and 3psi
Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

SEALS
Buna N | Fluorocarbon | EPDM | Silicone | FEP Encapsulated Fluorocarbon | FEP Encapsulated Silicone | PTFE Foam | PTFE Hard

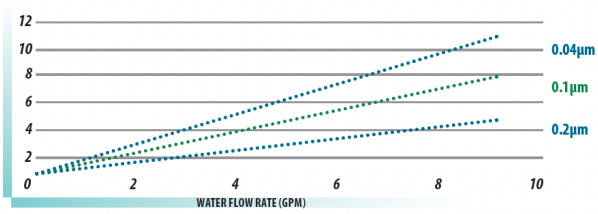
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton | 40 inch - 9 per carton

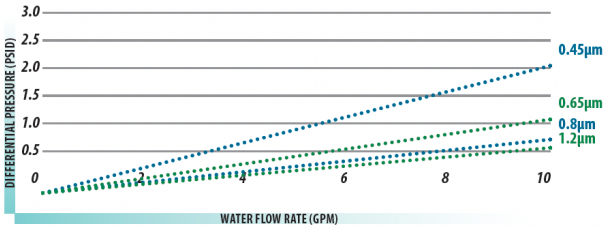
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	RATINGS	LENGTHS	SUPPORT	END CAP	O-RING	GRADE	OPTIONS
MPE	Mem-Pleat E (2.55")	0.01 µm	5"	**PP** = Polypropylene	**C1** = Double Open Ends	**S** = Silicone	- = General	**I** = 316 SS Insert
PRMXE	Pur-MAXX E (2.7")	0.02 µm	10"	**PE** = Polyester	**C2** = 213/Recessed Cup	**B** = Buna N	**1** = FDA Grado	**DIF** = DI Flush
		0.04 µm	20"		**C3** = Flat/222	**V** = Fluorocarbon	**2** = Pharmaceutical	**APH** = All Polyester Hardware
		0.1 µm	30"		**C4** = Single Open End/Flat	**E** = EPDM	**5** = Water	
		0.2 µm	40"		**C5** = Recessed Cup/222	**TF** = PTFE Foam		**PLEAT OPTION**
		0.45 µm			**C6** = Flat/226	**TH** = PTFE Hard		**SP** = Special Pleat (PRMXE only)
		0.65 µm			**C7** = Fin/226	**TV** = Encapsulated Fluorocarbon		
		0.8 µm			**C8** = Fin/222	**TS** = Encapsulated Silicone		
		1.2 µm						

MPE / PRMXE	0.1	–	10	PP	C1	S	2	DIF	MPE0.1-10PPC1S2DIF
	MICRON RATING		CARTRIDGE LENGTH	PLEAT SUPPORT	END CAP CONFIGURATION	GASKET / O-RING MATERIALS	CARTRIDGE GRADE	CARTRIDGE OPTIONS	