

POLYVINYLIDINE FLUORIDE SHEET MEMBRANE PRODUCTS

High Performance FDA-Approvable PVDF Sheet Membrane

SPECIFICATIONS

FDA-approvable Polyvinylidene fluoride Membrane for Food, Pharmaceutical, and Industrial Uses

PHYSICAL PROPERTIES

Thickness (including backing fabric):	0.00725 in (0.184 mm)
Active Membrane Width:	40.0 in (1.02 m)
Optional Roll Slit Widths:	10 or 20 in (254 or 508 mm)
Roll Length (Increments):	410 ft (125 m)

PERFORMANCE PROPERTIES*

MODEL NUMBER	WATER FLUX (Lmh @0.1 bar) (Lmh / bar)		MW of MARKER (Dalton)	MARKER REJECTION (%)
PVDF4	-	15	4K PEG**	93
PVDF200	-	175	75K PVA***	97
PVDF350	-	300	75K PVA	96
PVDF400	-	450	75K PVA	95
PVDF400B	-	1,000	75K PVA	96
PVDF400R	-	1,800	75K PVA	91
PVDF400HE	215	3,500	75K PVA	60
PVDF400HB	355	4,500	75K PVA	80
PVDF400HA	630	6,000	75K PVA	50

OPERATING PARAMETERS

Process pH Limitations:	2.0-10.0
CIP pH Limitations:	1.5-11.5
Maximum Process Temperature:	122°F (50°C)

CLEANING LIMITS****

CLEANERS	CIP		
	Concentration (ppm)	pH	Maximum Temperature
Chlorine	500	11.5	122°F (50°C)
Peracetic acid & H ₂ O ₂	2000 (500 as H ₂ O ₂)	3-7	77°F (25°C)

* Tests conducted at 30 psi and 77°F (25°C) using non-fouling RO permeate for water flux, with 2000 ppm concentration of marker added for rejection characterization.

** PEG — Poly(ethylene glycol)

*** PVA — Poly(vinyl alcohol)

**** Consult factory for detailed cleaning instructions

Note: Sepro's membrane products are not designed to be sterilized.

PVDFSHEET05 1/11