



REVERSE OSMOSIS SHEET MEMBRANE PRODUCTS

High Performance FDA-Approved Reverse Osmosis Sheet Membrane

SPECIFICATIONS

FDA-approved Reverse Osmosis Membrane for Food, Pharmaceutical, and Industrial Uses

PHYSICAL PROPERTIES

Thickness (including backing fabric):	0.0065 in (0.165 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	PROCESS FLUX With NaCl Solution	NaCl REJECTION (%)	NaCl CONCENTRATION (ppm)	TEST PRESSURE
RO1	30 gfd (50 Lmh)	98.0	2,000	125 psi (8.6 bar)
RO2	35 gfd (60 Lmh)	99.0	2,000	225 psi (15.5 bar)
RO3	25 gfd (42 Lmh)	99.0	2,000	225 psi (15.5 bar)
RO4	20 gfd (34 Lmh)	99.5	32,800	800 psi (55.2 bar)
RO6	17 gfd (29 Lmh)	99.8	32,800	800 psi (55.2 bar)

OPERATING PARAMETERS

Process pH Limitations:	3.0-10.0
CIP pH Limitations:	2.0-11.0
Maximum Process Temperature:	122°F (50°C)
Maximum CIP Temperature:	122°F (50°C)

CLEANING LIMITS**

CLEANERS	CIP		
	Concentration (ppm)	pH	Maximum Temperature
Chlorine	0	11	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 using RO permeate for water flux with indicated marker concentration in feed for rejection determination at indicated pressure and 77°F.

** Consult factory for detailed cleaning instructions

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

ROsheet05 11/08