

MBR MEMBRANE — MBR100

SHEET MEMBRANES

PHYSICAL PROPERTIES

Thickness (including backing fabric):	0.009 in (0.23 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

MEMBRANE	PURE WATER FLUX (Lmh / 0.1 bar)	VACUUM PRESSURE (bar)	MW of MARKER (Dalton)	NOMINAL MARKER REJECTION (%)
MBR100	1,900	0.5		Pore Size: 0.7-0.9 μ m

OPERATING PARAMETERS

CONDITIONS	MBR100
Process pH Limitations	2-11
Maximum Applied Pressure	1.5-4.4 psi / 0.1-0.3 bar
Maximum Process Temperature	122 °F / 50 °C

PILOT TEST DATA*

PARAMETERS	SEPRO MBR MEMBRANES
BOD (mg/L)	< 2-5
cBOD ₅ (mg/L)	< 5
TSS (mg/L)	< 2
P-PO ₄ (mg/L)	< 2
Turbidity (NTU)	< 0.2

* Municipal wastewater process flux ranges from 20-40 Lmh (12-24 gfd) at 0.1-0.3 bar

CLEANING LIMITS**

CLEANERS	MBR100		
	Concentration (ppm)	pH	Temperature
NaOCl	<2,000	< 12.0	< 50 °C
Citric Acid	<2,000	> 2.0	< 50 °C

** Consult factory for detailed cleaning instructions

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