



**AMFOR INC.**

## FLAT SHEET MEMBRANES

Flat Sheet membranes may be used in our process filtration units for evaluation or general separations needs. For your convenience, membranes are sorted by separation process (RO, NF, UF, MF).

### Reverse Osmosis (RO)

TYPE	TEST PRESSURE (PSI)	SOLUTE CONCENTRATION (mg/L)	SOLUTE	WATER FLUX @ 25 °C (GFD)	SOLUTE REJECTION (%)
BW30	225	2000	NaCL	30	99.3
LE	225	2000	NaCL	40	99.4
XLE	125	2000	NaCL	30	99.1

### Nanofiltration (NF)

TYPE	TEST PRESSURE (PSI)	SOLUTE CONCENTRATION (mg/L)	SOLUTE	WATER FLUX @ 25 °C @1.0MPa (Lmh)	SOLUTE REJECTION (%)
NF1	150	2000	MgSO4	65	98
NF2	150	2000	MgSO4	100	95

### Ultrafiltration (UF)

TYPE	MATERIAL	PH RANGE @ 25°C	NOMINAL MWCO	WATER FLUX @25 °C 50PSI (Lmh)
PES1	Polyethersulfone	1-13	1,000	40
PES3	Polyethersulfone	1-13	3,000	65
PES5	Polyethersulfone	1-13	5,000	100
PES8	Polyethersulfone	1-13	8,000	130
PES10	Polyethersulfone	1-13	10,000	150
PES20	Polyethersulfone	1-13	20,000	200
PES30	Polyethersulfone	1-13	30,000	240
PES50	Polyethersulfone	1-13	50,000	260
PS20	Polysulfone	1-13	20,000	280
PS50	Polysulfone	1-13	50,000	350
PVDF50	Polyvinylidene flouride	1-13	50,000	400
PVDF100	Polyvinylidene flouride	1-13	100,000	500
PAN100	polyacrylonitrile	1-13	100,000	450

## Microfiltration (MF)

TYPE	MATERIAL	PH RANGE @ 25 °C	PORE SIZE ( $\mu\text{m}$ )	WATER FLUX
				@ 25°C, @ 0.1MPa (Lmh)
PVDF0.1	Polyvinylidene flouride	1-13	0.1	>500
PVDF0.2	Polyvinylidene flouride	1-13	0.2	>1000

**AMFOR's PVDF- MF flat sheet membrane** has a high flux rate and narrow pore size distribution.

It is the best choice of MBR process.

**Please Note:**

- 1.Any commercial and industrial application is based on lab test and pilot plant test! Sample is available!
- 2.The flat sheet membranes are available in precut to fit your process filtration units. Custom sizes and larger quantities are available upon request. The standard width is 40inch