

Somicon AG

PCI Membrane List

Status January 2007

Typ	Material	Operation	max. pH Range	max. Pressure (bar)	max. Temp. (C°)	Apparent Retention (1)	Hydrophilicity (2)	Solvent Resistance (3)	Module (4)	Diameter (mm) or 1/2 inch	Length (mm)
AFC 99	Polyamide Film	RO	1.5 - 12	64	80	99% NaCl	3	++	B1	12	1220
											2440
											3660
CDA 16	Cellulose-acetate	RO	2 - 7.25	60	30	90% NaCl	5	+	B1	12	1220
											2440
											3660
AFC 80	Polyamide Film	RO	1.5 - 10.5	60	70	80% NaCl	4	++	B1	12	1220
											2440
											3660
AFC 40	Polyamide Film	NF	1.5 - 9.5	60	60	60% CaCl ₂	4	++	B1	12	1220
											2440
											3660
AFC 30	Polyamide Film	NF	1.5 - 9.5	60	60	75% CaCl ₂	4	++	B1	12	1220
											2440
											3660
CA 202	Cellulose-acetate	UF	2 - 7.25	25	30	2'000 MW	5	+	B1	12	1220
											2440
											3660
EM 006	Modified PES	UF	1.5 - 12	30	80	6'000 MW	4	++	B1	12	1220
											2440
											3660
ESP 04	Modified PES	UF	1 - 14	30	65	4'000 MW	2	++	B1	12	1220
											2440
											3660
ES 404	Polyether-sulphone	UF	1.5 - 12	30	80	4'000 MW	2	++	B1	12	1220
											2440
											3660
PU 608	Poly- sulphone	UF	1.5 - 12	30	80	8'000 MW	2	++	B1	12	1220
											2440
											3660
ES 209	Polyether-sulphone	UF	1.5 - 12	30	80	9'000 MW	2	++	B1	12	1220
											2440
											3660
PU 120	Poly- sulphone	UF	1.5 - 12	15	80	20'000 MW	2	++	B1	12	1220
											2440
											3660
FPT 03	PVDF	UF	1.5 - 10.5	10	60	20'000 MW	1	+++	A5	6	3050
											3660
											3660
FPA 03	PVDF	UF	1.5 - 10.5	7	60	20'000 MW	1	+++	A19	12	3050
											3660
											3660
AN 620	Poly-acrylonitrile	UF	2 - 10	10	60	25'000 MW	5	+++	A19	12	3050
											3660
											3660
ES 625	Polyether-sulphone	UF	1.5 - 12	15	80	25'000 MW	2	++	A19	12	3050
											3660
											3660
FPT 10	PVDF	UF	1.5 - 10.5	10	60	100'000 MW	1	+++	A5	6	3050
											3660
											3660
FPA 10	PVDF	UF	1.5 - 10.5	7	60	100'000 MW	1	+++	A19	12	3050
											3660
											3660
FP 100	PVDF	UF	1.5 - 12	10	80	100'000 MW	1	+++	A19	12	3050
											3660
											3660
FPT 20	PVDF	UF	1.5 - 10.5	10	60	200'000 MW	1	+++	A5	6	3050
											3660
											3660
FPA 20	PVDF	UF	1.5 - 10.5	7	60	200'000 MW	1	+++	A19	12	3050
											3660
											3660
FP 200	PVDF	UF	1.5 - 12	10	80	200'000 MW	1	+++	A19	12	3050
											3660
											3660
L 6000	Fluoro-polymer	UF	1.5 - 12	10	60	200'000 MW	1	+++	A19	12	3050
											3660
											3660

1) Retention character depends on several parameters, including nature of the test solution

This information should therefore be used as a guide only.

2) 1 low, 5 high

3) + low, +++ high

4) Most suitable. Other possibilities can be discussed with Somicon

Testing Facility and Pilot Plants available at Somicon, Basel site