



## POROSITY AND TYPICAL PARAMETERS OF TRACK-ETCHED MEMBRANES

pore size [+0% / -20%] ( $\mu\text{m}$ )	pore density [ $\pm 15\%$ ] (pores/ $\text{cm}^2$ )	nominal thickness ( $\mu\text{m}$ )		bubble point (psi)	water flow rate ( $\text{ml min}^{-1} \text{cm}^{-2}$ ) (3)	air flow rate ( $\text{l min}^{-1} \text{cm}^{-2}$ )
		(1)	(2)			
0.1	6E8	25	23	101	2.5	1.1 [4]
0.2	5E8	25	23	58	10	3.5 [4]
0.4	1.5E8	25	23	32	45	8.5 [4]
0.6	4E7	25	23	17	45	7.5 [4]
0.8	4E7	24	23	13	90	16.0 [4]
1	2.2E7	24	23	10	130	14.0 [4]
2	3E6	23	21	5	200	27.5 [4]
3	3E6	22	20	3	350	18.0 [5]
5	4E5	20	18	2	800	21.0 [5]
8	1E5	17	15	1.3	1000	24.0 [5]
10	1E5	15	13	1	1150	30.5 [5]
12	1E5	13	11	0.8	1250	37.0 [5]

- [1] polycarbonate and polyimide track-etched membranes
- [2] polyester (PET) track-etched membranes
- [3] water flow rate at 10 PSI
- [4] air flow rate at 10 PSI
- [5] air flow rate at 2.5 PSI

**OTHER COMBINATION OF PORE SIZE, PORE DENSITY AND THICKNESS AVAILABLE ON REQUEST**

**[contact@it4ip.be](mailto:contact@it4ip.be)**

**it4ip s.a.**

rue J. Bordet (Z.I. C - Activalis) - 7180 Senefte - Belgium  
tel : +32 (0)64 371001 - fax +32 (0)64 371021

[contact@it4ip.be](mailto:contact@it4ip.be)  
<http://www.it4ip.be>