

MEMBRANE FILTER SPECIFICATIONS

		Porosity	Pore Density	Nominal Thickness	Bubble Point	Avg. Flow Rate (H ₂ O)	Avg. Flow Rate (Air)	BSA Binding Capacity	Max. Temperature	Sterilization Methods*
		(%)	(pores/cm ²)	(Qm)	(psi)	(mL/min/cm ²)		(Qg/cm ²)	(°C/°F)	(*)
Silver	0.20 µm	NT ^b	NT	50	13	17	350	NT	204/400	E, A
	0.45 µm	NT	NT	50	9	40	670	NT	204/400	E, A
	0.80 µm	NT	NT	50	7	340	1,400	NT	204/400	E, A
	1.20 µm	NT	NT	50	5	460	2,000	NT	204/400	E, A
	3.00 µm	NT	NT	50	3	690	2,900	NT	427/800	E, A
	5.00 µm	NT	NT	50	2	870	5,200	NT	427/800	E, A
Cellulose Acetate	0.22 µm	NT	NT	65-110	50	16.1	NT	3.8	135/274	G, E, A
	0.45 µm	NT	NT	65-110	30	54.7	NT	3.8	135/274	G, E, A
	0.65 µm	NT	NT	65-110	18	70.9	NT	3.8	135/274	G, E, A
	0.80 µm	NT	NT	65-110	14	81.3	NT	3.8	135/274	G, E, A
	1.20 µm	NT	NT	65-110	11	180	NT	3.8	135/274	G, E, A
	3.00 µm	NT	NT	135	5	500	5,400	26.8	135/274	G, E, A
Ceramic	5.00 µm	NT	NT	65-110	6	375	NT	3.8	135/274	G, E, A
	1 kDa	NT	NT	2,500	NT	0.025	NT	NT	350/662	E, A
	3 kDa	NT	NT	2,500	NT	0.042	NT	NT	350/662	E, A
	5 kDa	NT	NT	2,500	NT	0.067	NT	NT	350/662	E, A
	8 kDa	NT	NT	2,500	NT	0.092	NT	NT	350/662	E, A
	15 kDa	NT	NT	2,500	NT	0.12	NT	NT	350/662	E, A
	50 kDa	NT	NT	2,500	NT	0.33	NT	NT	350/662	E, A
	150 kDa	NT	NT	2,500	NT	0.42	NT	NT	350/662	E, A
	300 kDa	NT	NT	2,500	NT	0.75	NT	NT	350/662	E, A
	0.14 µm	NT	NT	2,500	NT	1.33	NT	NT	350/662	E, A
	0.20 µm	NT	NT	2,500	NT	1.66	NT	NT	350/662	E, A
	0.45 µm	NT	NT	2,500	NT	1.92	NT	NT	350/662	E, A
Mixed Cellulose Ester (MCE)	0.80 µm	NT	NT	2,500	NT	2.17	NT	NT	350/662	E, A
	1.40 µm	NT	NT	2,500	NT	2.50	NT	NT	350/662	E, A
	0.10 µm	NT	NT	110	35.3	2.7	670	108	180/356	G, E, A
	0.20 µm	NT	NT	133	54.5	17.5	2,400	108	180/356	G, E, A
	0.45 µm	NT	NT	145	35	45	5,000	108	180/356	G, E, A
	0.45 µm (B) ^c	NT	NT	150	30	51	NT	108	180/356	G, E, A
	0.65 µm	NT	NT	150	21.3	120	11,200	108	180/356	G, E, A
	0.80 µm	NT	NT	150	16.4	165	15,000	108	180/356	G, E, A
	1.00 µm	NT	NT	150	13.9	220	20,400	108	180/356	G, E, A
	3.00 µm	NT	NT	155	10.2	300	28,300	108	180/356	G, E, A
	5.00 µm	NT	NT	160	8.5	400	40,900	108	180/356	G, E, A
	8.00 µm (B)	NT	NT	150	4	2,316	NT	108	180/356	G, E, A
Nylon	0.10 µm	70-85	NT	65-125	70	5.2	NT	120	180/356	G, E
	0.20 µm	70-85	NT	65-125	50	13.5	NT	120	180/356	G, E
	0.45 µm	70-85	NT	65-125	35	32	NT	120	180/356	G, E
	0.65 µm	70-85	NT	65-125	18	80	NT	120	180/356	G, E
	0.80 µm	70-85	NT	65-125	13	120	NT	120	180/356	G, E
	1.20 µm	70-85	NT	65-125	11	190	NT	120	180/356	G, E
Polycarbonate (PCTE)	0.01 µm	<1	6x10 ⁸	6	NT	0.1	7.5	<5	140/284	G, E, A
	0.03 µm	<1	6x10 ⁸	6	NT	0.2	75	<5	140/284	G, E, A
	0.05 µm	1	6x10 ⁸	6	50	0.4	370	<5	140/284	G, E, A
	0.08 µm	2	4x10 ⁸	6	38	0.6	750	<5	140/284	G, E, A
	0.10 µm	3	4x10 ⁸	6	30	2.5	1,500	<5	140/284	G, E, A
	0.20 µm	10	3x10 ⁸	10	20	10	3,000	<5	140/284	G, E, A
	0.40 µm	19	1.5x10 ⁸	24	32	45	8,500	<5	140/284	G, E, A
	0.60 µm	8	3x10 ⁷	9	9.0	60	7,500	<5	140/284	G, E, A
	0.80 µm	15	3x10 ⁷	9	7.0	90	18,000	<5	140/284	G, E, A
	1.00 µm	16	2x10 ⁷	11	6.0	130	20,000	<5	140/284	G, E, A
	2.00 µm	6	2x10 ⁶	10	3.0	300	16,500	<5	140/284	G, E, A

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		(%)	(pores/cm ²)	(Qm)	(psi)	(mL/min/cm ²)	(Qg/cm ²)	(Qg/cm ²)	(°C/°F)	(*)
Polycarbonate (PCTE)	3.00 µm	14	2x10 ⁶	9	2.0	440	37,500	<5	140/284	G, E, A
	5.00 µm	8	4x10 ⁵	10	1.2	700	30,000	<5	140/284	EG, E, AA
	8.00 µm	5	1x10 ⁵	7	0.7	1,000	30,000	<5	140/284	G, E, A
	10.0 µm	8	1x10 ⁵	10	0.5	1,150	34,500	<5	140/284	G, E, A
	12.0 µm	12	1x10 ⁵	8	0.4	1,250	63,500	<5	140/284	G, E, A
	14.0 µm	8	5x10 ⁴	6	0.2	1,400	63,500	<5	140/284	G, E, A
	20.0 µm	13	4x10 ⁴	3	<1	1,000	11,000	<5	140/284	G, E, A
	25.0 µm	5	1x10 ⁴	28	NT	<1,000	>5,000	NT	140/284	G, E, A
Polyester (PETE)	30.0 µm	7	1x10 ⁴	28	NT	<1,500	>7,500	NT	140/284	G, E, A
	0.10 µm	3	4x10 ⁸	6	30	2.5	1.5	<5	140/284	G, E, A
	0.20 µm	9	3x10 ⁸	10	20	10	3.0	<5	140/284	G, E, A
	0.40 µm	13	1x10 ⁸	10	12	33	7.5	<5	140/284	G, E, A
	0.80 µm	15	3x10 ⁷	9	7	90	18	<5	140/284	G, E, A
	1.00 µm	2	2x10 ⁶	11	6	130	20	<5	140/284	G, E, A
	2.00 µm	6	2x10 ⁶	10	3	300	16.5	<5	140/284	G, E, A
	3.00 µm	14	2x10 ⁶	9	2	440	37.5	<5	140/284	G, E, A
	5.00 µm	8	4x10 ⁵	10	1.2	700	30	<5	140/284	G, E, A
	8.00 µm	5	1x10 ⁵	7	7	1,000	30	<5	140/284	G, E, A
PES	10.0 µm	8	1x10 ⁵	9	5	1,150	34.5	<5	140/284	G, E, A
	0.03 µm	NT	NT	110-150	90	5.5	NT	<20	130/266	G, E, A
	0.10 µm	NT	NT	110-150	70	11.7	NT	<20	130/266	G, E, A
	0.22 µm	NT	NT	110-150	50	33.2	NT	<20	130/266	G, E, A
	0.45 µm	NT	NT	110-150	35	58.2	NT	<20	130/266	G, E, A
	0.60 µm	NT	NT	110-150	21	95.5	NT	<20	130/266	G, E, A
	0.80 µm	NT	NT	110-150	13	117	NT	<20	130/266	G, E, A
	1.20 µm	NT	NT	110-150	11	143	NT	<20	130/266	G, E, A
PAN	5.00 µm	NT	NT	110-150	6	186	NT	<20	130/266	G, E, A
	0.20 µm	NT	NT	180-200	>60	40	NT	NT	100/212	NT
PVDF	0.20 µm	NT	NT	140-250	40-60	NT	NT	4	NT	NT
	0.45 µm	NT	NT	140-250	25-40	NT	NT	4	NT	NT
PTFE	0.10 µm (L) ^e	NT	NT	152-254	>25	NT	1.5	NT	NT	E
	0.10 µm (U/H) ^f	71	NT	35	55.1	14	1.6	NT	100/212	E
	0.20 µm (L)	NT	NT	101-152	>14.5	NT	6.1-12.2	NT	NT	E
	0.20 µm (U/H)	71	NT	35	34.8	NT	2.1	NT	100/212	E
	0.20 µm (U)	NT	NT	25-51	19-26	19.4	10.7	NT	NT	E, A
	0.45 µm (L)	NT	NT	76-127	>11	NT	12.2-24.4	NT	NT	E
	0.45 µm (U)	NT	NT	25-51	10-17	NT	9-21	NT	NT	E, A
	0.50 µm (U/H)	79	NT	35	20.3	39	2.9	NT	100/212	E
	1.00 µm (L)	NT	NT	76-127	>8	NT	45.7-106.7	NT	NT	E
	1.00 µm (U/H)	83	NT	35	12	73	57	NT	100/212	E
	1.00 µm (U)	NT	NT	254	1.0	110	5-6	NT	NT	E, A
	5.00 µm (U)	NT	NT	203	1.2	162	4-5	NT	NT	NT
	20.0 µm (U)	NT	NT	127	0.25-0.4	509	0.4-0.7	NT	NT	NT

^aG = Gamma Irradiation; E = EtO Sterilization; A = Autoclavable

^bNT = Not Tested

^cB = BlackdN = Nominal

^eL = Laminated

^fU = Unlaminated; H = Hydrophobic