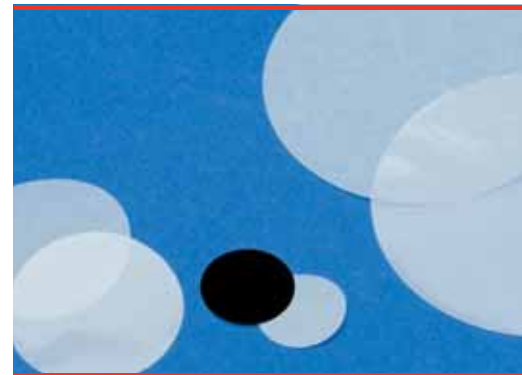


POLYCARBONATE MEMBRANE FILTERS

Recommended for electron microscopy analysis due to its extremely translucent and plain surface.

- Made of high grade polycarbonate film.
- Track-etched manufacturing method.
- Hydrophilic.
- Uniform and precise capillary pore structure.
- Very smooth and flat surface.
- High visibility.
- High chemical and heat stability.
- Low non-specific adsorption.
- Does not react with most colouring agents.
- Low tare and low ash levels.
- Pore size from 0.05 µm to 14.00 µm.
- Filter diameters 13, 25 and 47 mm.
- Available truly black and crystal clear transparent.



TECHNICAL SPECIFICATIONS

Material	Pore µm	Thickness ⁽¹⁾ µm	Air flow ⁽²⁾ ml/min.cm ²	Water flow ⁽³⁾ ml/min.cm ²	Bubble point ⁽⁴⁾ Water psi
Polycarbonate	0.05	25	0.011***	n.a.	>101
	0.10	6	1.5*	2.5	94
	0.20	10	3*	10	57
	0.40	10	7.5*	33	32
	0.60	9	7.5*	60	22
	0.80	9	18*	90	17
	1.00	11	20**	130	14
	3.00	9	37.5**	440	5.7
	5.00	10	30**	700	3.5
	8.00	7	30**	1000	2.1
	10.00	10	34.5**	1150	1.7
	12.00	13	37.0****	1250	0.8
	14.00	6	63.5**	1400	1.1

⁽¹⁾ Acc. DIN 53105

⁽²⁾ * Initial flow rates using prefiltered air at 0.7 kg/cm²

** Initial flow rates using prefiltered air at 0.35 kg/cm²

*** At 10 psi

**** At 25 psi

⁽³⁾ Initial flow rates using prefiltered water at 0.7 kg/cm²

⁽⁴⁾ Measured using Isopropanol

n.a.: not analyzed

- Adsorption: < 5 µg/cm² with BSA.
- Extractables with water less than 1 %.
- Sterilization: by autoclaving at 121 °C or 134 °C, γ-radiation or ethylene oxide.
- Maximum temperature 140 °C (heat-stable).

APPLICATIONS

- Particle retention for later electron microscope analysis.
- Chemotaxis.
- Sterility testing.
- Biological tests, cell biology and cell cultures.
- Cytology.
- Analysis for Legionella.
- Epifluorescence.

ORDERING INFORMATION

∅	Transparent 13 mm	Transparent 25 mm	Black 25mm	Transparent 47 mm	Black 47 mm
Pore (µm)					
0,05	PC00513TL	PC00525TL	-	PC00547TL	-
0.10	PC01013TL	PC01025TL	-	PC01047TL	-
0.20	PC02013TL	PC02025TL	PC02025NL	PC02047TL	PC02047NL
0.40	PC04013TL	PC04025TL	PC04025NL	PC04047TL	PC04047NL
0.60	PC06013TL	PC06025TL	-	PC06047TL	-
0.80	PC08013TL	PC08025TL	-	PC08047TL	-
1.00	PC10013TL	PC10025TL	-	PC10047TL	-
3.00	PC30013TL	PC30025TL	-	PC30047TL	-
5.00	PC50013TL	PC50025TL	-	PC50047TL	-
8.00	PC80013TL	PC80025TL	-	PC80047TL	-
10.00	PC100013TL	PC100025TL	-	PC100047TL	-
12.00	PC120013TL	PC120025TL	-	PC120047TL	-
14.00	PC140013TL	PC140025TL	-	PC140047TL	-

Presentation: 100 units / box

Other sizes available on request.

