

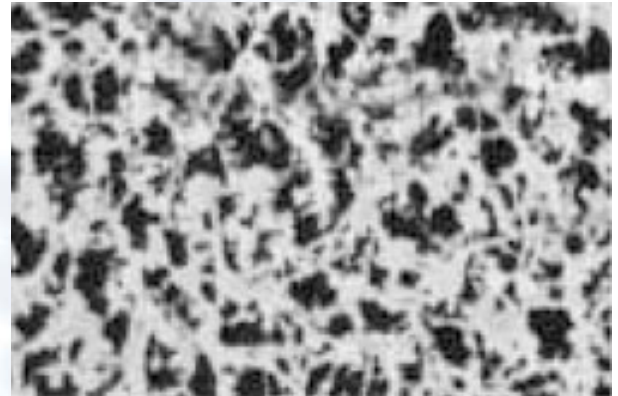
TECHNICAL DATASHEET

REFERENCE :

ClearLine® Membrane Filters

Mixed Cellulose Esters (MCE)

- Mix of cellulose acetate and cellulose nitrate
- Hydrophilic membranes, biologically inert, high absorbance and retention
- Their uniform inner micro-structure helps detect particles



Applications :

- DNA and protein microdialysis
- Biological fluids clarification
- Aqueous solutions clarification during microbial analysis
- Particle filtration for air monitoring
- Culture Media & additives filtration
- Microbial particles elimination in dairy products
- Yeast, mold, algae, etc... retention

Pore size (µm)	Bubble point (bar)	Water flow (ml/min/cm ²)	Air flow (L/min/cm ²)
0.2	3.62	19	2
0.45	2.23	60	5
0.65	1.18	135	9
0.8	0.95	180	15
1.2	0.77	270	20
3	0.69	320	28
5	0.56	560	30
8	0.40	600	63

TECHNICAL DATASHEET

REFERENCE :

Ordering Information

MCE membranes, non-sterile, non-gridded

	Ø 13 mm	Ø 25 mm	Ø 47 mm
Pore Size (µm)	Cat No	Cat No	Cat No
0.22	175049	175051	175059
0.45	175050	175052	175060
0.65	x	175053	175061
0.8	x	175054	175062
1.2	x	175055	175063
3	x	175056	175064
5	x	175057	175065
8	x	175058	175066

MCE membranes, sterile, gridded, 47mm diameter

	White	Black	Green
Pore Size (µm)	Cat No	Cat No	Cat No
0.22	175067	x	x
0.45	175068	175071	175072
0.8	x	175069	x
1.2	175070	x	x

MCE membranes, sterile, gridded, 47mm diameter, in dispenser-compatible boxes

	White	Black
Pore Size (µm)	Cat No	Cat No
0.45	175073	175074

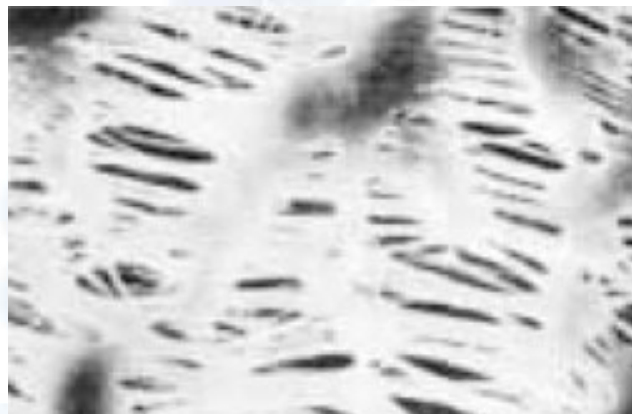
TECHNICAL DATASHEET

REFERENCE :

ClearLine® Membrane Filters

Polytetrafluoroethylene (PTFE)

- Made from polytetrafluoroethylene (PTFE), laminated with a thin layer of PP
- Naturally hydrophobic
- High thermal and chemical resistance
- For filtering aqueous solutions, the must be pre-wetted with ethanol or methanol



Applications :

- Filtration of strong acids and aggressive chemical substances
- Aerosols sampling
- Gas filtration
- Pure solvents clarification

Pore Size (µm)	Thickness (mm)	Bubble point (MPa)	Flow rate w/ air (m3/m2/24h)
0.22	0.16	0.13-0.14	300-500
0.45	0.16	0.08-0.13	500-800

Ordering Information

PTFE membranes, White, non-sterile

	Ø 13 mm	Ø 25 mm	Ø 47 mm
Pore Size (µm)	Cat No	Cat No	Cat No
0.22	X	175035	175037
0.45	175034	175036	175038

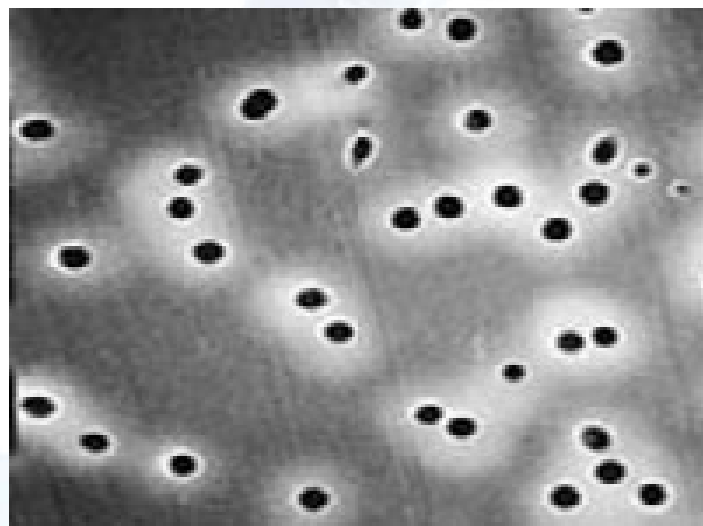
TECHNICAL DATASHEET

REFERENCE :

ClearLine® Membrane Filters

Polycarbonate (PC)

- Made from a thin polycarbonate (PC) film
- Their porous structure's uniformity is ideal for an appropriate particle fragmentation
- Very low extractibles rate
- Flat and smooth surface : higher particle visibility



Applications :

- Environmental analysis (water, air)
- Cell and particle analysis particules
- Clarification of fluids
- Cytology, parasitology, etc...

Pore Size (µm)	Thickness (mm)	Water flow (ml/min/cm ²)	Air Flow (ml/min/cm ²)
0.2	0.25	10	3
0.4	0.25	33	7.5

Ordering Information

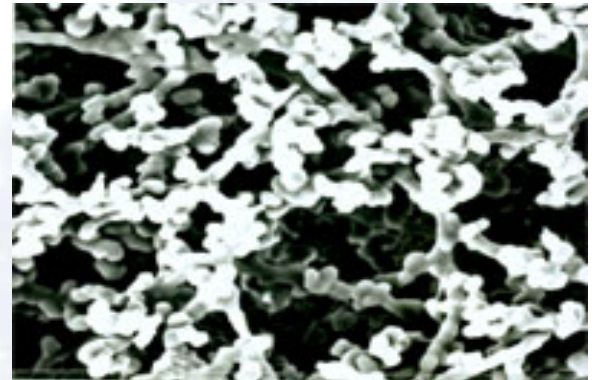
PC membranes, white, non-sterile

	Ø 13 mm	Ø 25 mm	Ø 47 mm
Pore Size (µm)	Cat No	Cat No	Cat No
0.22	x	175030	175032
0.45	175029	175031	175033

ClearLine® Membrane Filters

Polyethersulfone (PES)

- Made of polyethersulfone (PES)
- Asymmetrical pore structure : very high flow rate
- Low protein content



Applications :

- Filtration for the agri-food industry (drinking water, beverages, process waters)
- Drugs filtration
- Biological and pharmaceutical solutions filtration pharmaceutiques, etc...

Pore Size (µm)	Bubble Point (Bar)	Water Flow (s/100mL)	Resistance (Psi)
0.22	3.4	30	16
0.45	2.7	21	16

Ordering Information

PES membranes, white, non-sterile

	Ø 13 mm	Ø 25 mm	Ø 47 mm
Pore Size (µm)	Cat No	Cat No	Cat No
0.22	x	175039	175041
0.45	x	175040	175042

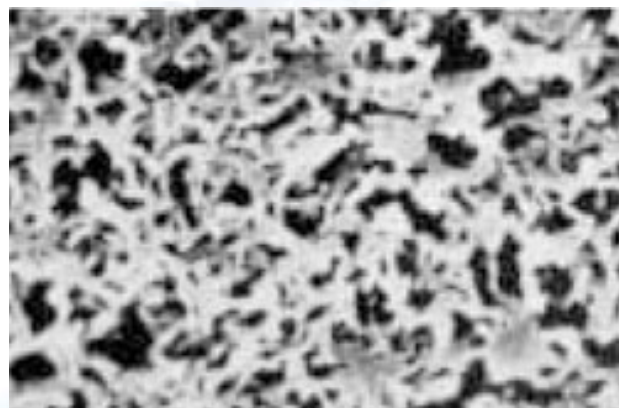
TECHNICAL DATASHEET

REFERENCE :

ClearLine® Membrane Filters

Polyamide (NYL)

- Made of polyamide/nylon (NYL)
- Asymmetrical pore structure : very high flow rate
- Excellent thermal stability
- Naturally hydrophilic
- Chemically resistant to alkaline solutions and to organic solvents



Applications :

- Filtration of aqueous solutions, organic solvents
- Filtration and retention of particles in water
- HPLC samples filtration, etc...

Pore Size (µm)	Bubble Point (Bar)	Water Flow (ml/min/cm ²)	Air Flow (L/min/cm ²)
0.22	3.4	9.9	1.7
0.45	2.0	26.9	3.2

Ordering Information

NYL membranes, white, non-sterile

	Ø 13 mm	Ø 25 mm	Ø 47 mm
Pore Size (µm)	Cat No	Cat No	Cat No
0.22	175043	175045	175047
0.45	175044	175046	175048