

MEMBRANE FILTERS



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➤ Membrane filtration offer a very convenient, fast and economical separation method.

They offer below mentioned advantages;

- ✓ Excellent level of particle retention
- ✓ Large load carry capacity
- ✓ High permeability to air
- ✓ Non-hygroscopic and biologically inert
- ✓ Chemical resistance to most solvents and reagents.
- ✓ Very high temperature resistance

CM: cellulose mixed ester membrane

Particularly suitable for aqueous solutions. They are hydrophilic. Thermally stable to 121°C. Ideal for gravimetric analysis and are often used for contamination tests.

PTFE: polytetrafluoroethylene membranes

Particularly suitable with aggressive media, as well as to concentrated acids and bases. They are hydrophobic, they can be used up to 145°C.

NC: nitrocellulose membranes

They are easily wettable and suited for filtration of aqueous solutions. In dry atmosphere these membranes are thermally stable at 125°C and can be autoclaved at 121°C.

PE: polyester membranes

They are hydrophilic. Particularly suitable for fine titration, dust analysis, aerosol analysis and ultra-purification of solvents.

RC: regenerated cellulose membranes

These membranes are resistant to most organic solvents. They are mostly used for filtration of solvent mixtures and ultra-purification and degassing of HPLC eluents.

CA: cellulose acetate membranes

They have a low protein binding capacity and they are suited for aqueous and alcoholic media. They are hydrophobic and can be used for hot gases up to 180°C.

GF/C: glass fibre filter

Suitable for determination of liquid scintillation counting and total suspended solids collection in potable water and in industrial waste. Grade 50C glass fibre filters are hydrophilic and medium / fast, very high loading. They resist temperatures up to 500°C.

catalogue number	membrane material	code name	pore size	type	diameter	pack quantity
104.01.001	cellulose mixed ester	CM	0,20 µm	1	47 mm	100 pieces
104.01.002	cellulose mixed ester	CM	0,45 µm	1	47 mm	100 pieces
104.01.003	nitrocellulose	NC	0,20 µm	1	47 mm	100 pieces
104.01.004	nitrocellulose	NC	0,45 µm	1	47 mm	100 pieces
104.01.005	regenerated cellulose	RC	0,20 µm	1	47 mm	100 pieces
104.01.006	regenerated cellulose	RC	0,45 µm	1	47 mm	100 pieces
104.01.007	polytetrafluoroethylene	PTFE	0,20 µm	1	47 mm	100 pieces
104.01.008	polytetrafluoroethylene	PTFE	0,45 µm	1	47 mm	100 pieces
104.01.009	polyester	PE	0,20 µm	1	47 mm	100 pieces
104.01.010	polyester	PE	0,45 µm	1	47 mm	100 pieces
104.01.011	cellulose acetate	CA	0,20 µm	1	47 mm	100 pieces
104.01.012	cellulose acetate	CA	0,45 µm	1	47 mm	100 pieces
104.01.013	glass fibre	GF/C	1,20 µm	2	47 mm	100 pieces