

Fisherbrand filtration products

Fisherbrand™ is committed to providing quality products at affordable prices through its trusted proprietary range apparatus, consumables and equipment. All Fisherbrand items are manufactured to the highest standards and undergo rigorous quality assurance and testing procedures to ensure that they deliver on our promise of quality, reliability and value. Fisherbrand offers a comprehensive selection of quality filter papers, microfibre filters and other related products in a variety of formats that is bound to meet all of your filtration needs.



General purpose filter papers

A range of general purpose, basic filter papers especially suited for educational environments, with other non-specialist application areas in:

- Clinical labs
- Research laboratories
- Chemical, pharmaceutical, cosmetic, food and beverage industries



Qualitative filter papers, low ash

These extremely pure filter paper grades are made of cellulose fibres with an alpha-cellulose content of nearly 100% according to precise norms. The ash content for these grades is approximately 0.06%. Application areas include:

- Chemistry industry
- Food industry
- Beverage industry
- Atmospheric analysis
- Essential and industrial oils



Quantitative filter papers, ashless

These virtually ashless filter paper grades are made with 100% cotton linter fibres. As quantitative analysis requires high purity, these filters are acid-washed before being finally rinsed thoroughly clean with demineralised water.

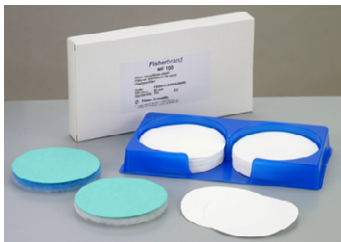
- Ash content is 0.007%
- Analytical application areas throughout the chemical, food and beverage industries
- Also used in atmospheric analysis



Glass microfibre filters

These filters are made with 100% borosilicate microglass fibres and are binder-free. Their very fine fibres make these filters especially suitable for micro-filtration.

- Excellent level of particle retention (pore size 0.7µm to 2.7µm)
- Large load capacity
- Very high chemical purity - manufacturing process uses demineralised water to clean
- Non-hygroscopic and biologically inert
- High permeability to air
- Chemical resistance to most solvents and reagents (except hydrofluoric acid)
- Resists temperatures up to 500°C
- Low ash content of 0.007%
- Application areas in water, solvent and other filtration purification, sediment and dairy fats analysis, smoke and air monitoring, HPLC sample filtration, protein and cell purification



Quartz microfibre filters

Made from 100% microquartz fibres. Binder-free, without any glass-fibre content.

- Very high operating temperature resistance to 900°C
- Low heavy metal content
- Application areas include emission control of chimney smokes, exhaust gases and aerosols, analysis of acidic gases (except HF), and monitoring of suspended air particulates (e.g. lead)



Extraction thimbles

Manufactured from 100% high purity cotton linter fibres.

- Neutral and fat-free
- High mechanical strength
- Excellent retention capacity
- Compatible with most extractor systems



Syringe filters

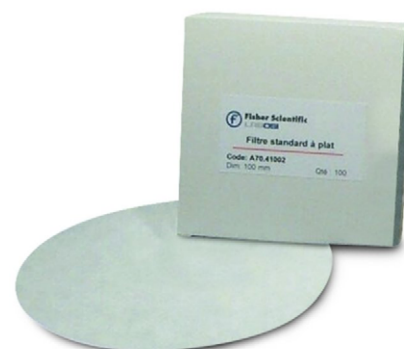
A wide selection of membrane types, diameters and pore sizes available to help you select the optimum product for your needs.

- Sterile or non-sterile options
- High sample throughput
- Polypropylene housing - strong and chemically resistant
- Typical applications areas include purification of solvents, aqueous solutions, growth media, tissue culture media, buffers etc

General purpose filter papers

Technical specifications:

Product type	General purpose filter paper
Grade	122
Application areas	Filter paper used for all general usage in laboratories. Very fast filtration velocity
Weight (g/m ²)	73
Thickness (mm)	0.17
Pore size (µm)	17-30
Filtration speed (s) to DIN 53137	22
Burst strength (kg/cm ²)	1.25



Plain disc	Cat. No	Diameter, mm	Pack qty
	11795195	45	100
	11705205	55	100
	11748742	70	100
	11812512	90	100
	11718752	100	100
	11715205	110	100
	11812723	125	100
	11708752	130	100
	11728752	150	100
	11725205	185	100
	11758742	190	100
	11755205	200	100
	11735205	210	100
	11765205	240	100
	11768742	250	100
	11788752	330	100
	11738553	400	100
	11745205	450	100
	11715905	500	100

Folded	Cat. No	Diameter, mm	Pack qty
	11778752	70	100
	11738752	100	100
	11795205	110	100
	11788742	130	100
	11778742	150	100
	11798742	190	100
	11715215	210	100
	11788722	250	100
	11748752	330	100
	11758752	400	100
	11775205	450	100
	11768752	500	100

General purpose filter papers, continued

Technical specifications:

Product type	General purpose filter paper
Grade	600
Application areas	Economical filter paper for analytical work and as bench protective paper
Weight (g/m ²)	64
Thickness (mm)	0.15
Pore size (µm)	10-20
Filtration speed (s) to DIN 53137	50
Burst strength (kg/cm ²)	1.45



Plain disc	Cat. No	Diameter, mm	Pack qty
	11748772	42.5	100
	11728772	47	100
	11708772	55	100
	11798543	70	100
	11718772	90	100
	11803192	100	100
	11708553	110	100
	11718553	125	100
	11813192	130	100
	11728553	150	100
	11734166	185	100
	11823192	190	100
	11882723	210	100
	11738772	240	100
	11833192	250	100
	11704166	270	100
	11775325	320	100
	11892723	330	100
	11802733	400	100
	11705335	450	100
11812733	500	100	

Folded	Cat. No	Diameter, mm	Pack qty
	11822723	70	100
	11853182	100	100
	11863182	130	100
	11832723	150	100
	11873182	190	100
	11842723	210	100
	11893182	250	100
	11852723	330	100
	11862723	400	100
	11725335	450	100
	11872723	500	100

Technical specifications:

Product type	General purpose filter paper
Grade	600
Application areas	Thin filter paper. Fast filtration velocity
Weight (g/m ²)	64
Thickness (mm)	0.15
Pore size (µm)	10-20
Filtration speed (s) to DIN 53137	50
Burst strength (kg/cm ²)	1.45

Sheet	Cat. No	Diameter, mm	Pack qty
	11788503	42 x 52	500
	15435394	46 x 57	100
	11704766	50 x 50	500
	11774756	52 x 52	500
	11714766	60 x 60	500

Folded sheet	Cat. No	Diameter, mm	Pack qty
	11744566	42 x 52	25
	11798503	42 x 52	500

General purpose filter papers, continued



Technical specifications:

Product type	General purpose filter paper
Grade	601
Application areas	Filter paper used for analytical work in laboratories. Medium filtration velocity
Weight (g/m ²)	73
Thickness (mm)	0.16
Pore size (µm)	5-13
Filtration speed (s) to DIN 53137	88
Burst strength (kg/cm ²)	1.95

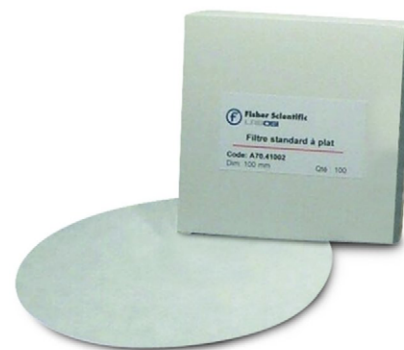
Plain disc	Cat. No	Diameter, mm	Pack qty
	11572003	42.5	100
	11795335	47	100
	11546873	55	100
	11556873	70	100
	11582003	85	100
	11566873	90	100
	11745355	100	100
	11576873	110	100
	11425248	125	100
	11715345	130	100
	11435248	150	100
	11445248	185	100
	11725345	190	100
	11735345	210	100
	11592003	240	100
	11795345	250	100
	11502013	270	100
	11765345	320	100
	11795355	330	100
	11775345	385	100
11785345	400	100	
11705355	500	100	


Folded	Cat. No	Diameter, mm	Pack qty
	11715365	70	100
	11725365	100	100
	12370140	130	100
	11735365	150	100
	11745365	190	100
	11833420	250	100
	11795365	270	100
	11843420	330	100
	11755365	400	100
	11765365	450	100
	11775365	500	100


General purpose filter papers, continued

Technical specifications:

Product type	General purpose filter paper
Grade	603
Application areas	Thin filter paper. Fast filtration velocity
Weight (g/m ²)	60
Thickness (mm)	0.14
Pore size (µm)	35-65
Filtration speed (s) to DIN 53137	25
Burst strength (kg/cm ²)	1.05



Sheet	Cat. No	Diameter, mm	Pack qty
	11734766	42 x 52	500
	11760555	50 x 105	500
	11744766	50 x 110	500
	11750555	65 x 135	500

Folded sheet	Cat. No	Diameter, mm	Pack qty
	11770555	42 x 52	500

Qualitative filter papers, low ash

Technical specifications:

Product type	Qualitative filter paper, low ash
Material	100% alpha-cellulose
Grade	111
Application areas	Fast filtering, for coarse and voluminous precipitates like hydroxides and sulfides.
Weight (g/m ²)	84
Thickness (mm)	0.2
Pore size (µm)	12-15
Burst strength (kg/cm ²)	>0.30
Ash content (%)	0.06 approx.



Folded	Cat. No	Diameter, mm	Pack qty
	11724233	70	100
	11734233	90	100
	11744233	110	100
	11754233	125	100
	11475208	150	100
	11764233	185	100
	11774233	210	100
	11495208	240	100
	11780215	270	100
	11405218	320	100

Technical specifications:

Product type	Qualitative filter paper, low ash
Material	100% alpha-cellulose
Grade	112
Application areas	Medium fast filtering, typical grade for qualitative tasks such as sulfides, beer and malt analysis.
Weight (g/m ²)	84
Thickness (mm)	0.17
Pore size (µm)	8-12
Filtration speed (s) to DIN 53137	20
Burst strength (kg/cm ²)	<0.30
Ash content (%)	0.06 approx.

Plain disc	Cat. No	Diameter, mm	Pack qty
	11790215	45	100
	11415218	55	100
	11425218	70	100
	11435218	90	100
	11445218	110	100
	11455218	125	100
	11465218	150	100
	11475218	185	100
	11714183	210	100
	11485218	240	100
	11710225	270	100
	11700225	320	100

Folded	Cat. No	Diameter, mm	Pack qty
	11784243	70	100
	11794243	90	100
	11704253	110	100
	11714253	125	100
	11724253	150	100
	11734253	185	100
	11744253	210	100
	11754253	240	100
	11720225	270	100
	11764253	320	100

Qualitative filter papers, low ash, continued



Technical specifications:

Product type	Qualitative filter paper, low ash
Material	100% alpha-cellulose
Grade	113
Application areas	Medium filtering, suitable for fast filtration of liquids with fine particles
Weight (g/m ²)	87
Thickness (mm)	0.16
Pore size (µm)	5-8
Filtration speed (s) to DIN 53137	50
Burst strength (kg/cm ²)	>0.10
Ash content (%)	0.06 approx.

Plain disc	Cat. No	Diameter, mm	Pack qty
	11760225	45	100
	11767973	55	100
	11724183	70	100
	11734183	90	100
	11744183	110	100
	11754193	125	100
	11770225	135	100
	11764193	150	100
	11774193	185	100
	11784193	210	100
	11794193	240	100
	11730235	270	100
	11790225	320	100

Folded	Cat. No	Diameter, mm	Pack qty
	11774253	70	100
	11744263	90	100
	11754263	110	100
	11764263	125	100
	11774263	150	100
	11784263	185	100
	11794263	210	100
	11704273	240	100
	11760235	270	100
	11714273	320	100

Technical specifications:

Product type	Qualitative filter paper, low ash
Material	100% alpha-cellulose
Grade	114
Application areas	Slow filtering. Applications: barium, lead, zinc and nickel sulfates, hydroxide and calcium fluoride.
Weight (g/m ²)	84
Thickness (mm)	0.14
Pore size (µm)	3-5
Filtration speed (s) to DIN 53137	100
Burst strength (kg/cm ²)	>0.30
Ash content (%)	0.06 approx.

Plain disc	Cat. No	Diameter, mm	Pack qty
	11790235	45	100
	11777973	55	100
	11704203	70	100
	11714203	90	100
	11724203	110	100
	11734203	125	100
	11744203	150	100
	11704213	185	100
	11714213	210	100
	11724213	240	100
	10111342	270	100
	11710245	320	100


Folded	Cat. No	Diameter, mm	Pack qty
	11724273	70	100
	11734273	90	100
	11794273	110	100
	11704283	125	100
	11714283	150	100
	11724283	185	100
	11744283	210	100
	11734283	240	100
	11730245	270	100
	11754283	320	100


Qualitative filter papers, low ash, continued



Technical specifications:

Product type	Qualitative filter paper, low ash
Material	100% alpha-cellulose
Grade	115
Application areas	Very slow filtering. Applications: barium sulfate, metastannic acid, cuprous oxide, etc.
Weight (g/m ²)	84
Thickness (mm)	0,14
Pore size (µm)	2-3
Filtration speed (s) to DIN 53137	180
Burst strength (kg/cm ²)	>0,30
Ash content (%)	0.06 approx.

Plain disc	Cat. No	Diameter, mm	Pack qty
	11790235	45	100
	11777973	55	100
	11704203	70	100
	11714203	90	100
	11724203	110	100
	11734203	125	100
	11744203	150	100
	11704213	185	100
	11714213	210	100
	11724213	240	100
	10111342	270	100
	11710245	320	100

Folded	Cat. No	Diameter, mm	Pack qty
	11724273	70	100
	11734273	90	100
	11794273	110	100
	11704283	125	100
	11714283	150	100
	11724283	185	100
	11744283	210	100
	11734283	240	100
	11730245	270	100
	11754283	320	100

Quantitative filter papers, ashless

Technical specifications:

Product type	Quantitative filter paper, ashless
Material	100% cotton linter fibres, acid-washed and rinsed with demineralised water
Grade	11
Application areas	Fast filtering. Wide pore filter paper used for coarse and voluminous precipitates such as iron, aluminium and chromium hydroxides, Si-determination in steel and pig iron analysis
Weight (g/m ²)	84
Thickness (mm)	0.18
Pore size (µm)	12-15
Filtration speed (s) to DIN 53137	10
Burst strength (kg/cm ²)	>0.20
Ash content (%)	0.007%



Folded	Cat. No	Diameter, mm	Pack qty
	11770025	70	100
	11780025	90	100
	11790025	110	100
	11700035	125	100
	11710035	150	100
	11720035	185	100
	11730035	210	100
	11740035	240	100
	11750035	320	100

Quantitative filter papers, ashless, continued

Technical specifications:

Product type	Quantitative filter paper, ashless
Material	100% cotton linter fibres, acid-washed and rinsed with demineralised water
Grade	12
Application areas	Medium fast filtering. Most commonly used grade for coarser precipitates such as lead, iron and silver sulfide, alkali carbonates, lead chromate, arsenic, antimony, cadmium, also foodstuffs
Weight (g/m ²)	84
Thickness (mm)	0.17
Pore size (µm)	8-12
Filtration speed (s) to DIN 53137	20
Burst strength (kg/cm ²)	<0.20
Ash content (%)	0.007%



Plain disc	Cat. No	Diameter, mm	Pack qty
	11770035	45	100
	11717983	55	100
	11727983	70	100
	11734303	90	100
	11744303	110	100
	11754303	125	100
	11780035	135	100
	11764303	150	100
	11774303	185	100
	11737983	210	100
	11747983	240	100
	11710045	270	100

Folded	Cat. No	Diameter, mm	Pack qty
	11720115	70	100
	11730115	90	100
	11740115	110	100
	11750115	125	100
	11760115	150	100
	11770115	185	100
	11780115	210	100
	11790115	240	100
	11700125	320	100

Technical specifications:

Product type	Quantitative filter paper, ashless
Material	100% cotton linter fibres, acid-washed and rinsed with demineralised water
Grade	13
Application areas	Medium filtering. Medium pore filter paper used for fine precipitates such as magnesium ammonium phosphate, calcium oxalate, magnesium ammonium arsenate, coarser forms of barium sulfate.
Weight (g/m ²)	84
Thickness (mm)	0.16
Pore size (µm)	5-8
Filtration speed (s) to DIN 53137	50
Burst strength (kg/cm ²)	>0.20
Ash content (%)	0.007%

Plain disc	Cat. No	Diameter, mm	Pack qty
	11710125	25	100
	11720125	45	100
	11757983	55	100
	11784303	70	100
	11794303	90	100
	11798953	110	100
	11708963	125	100
	11730125	135	100
	11718963	150	100
	11758963	185	100
	11767983	210	100
	11777983	240	100
	10661123	270	100

Folded	Cat. No	Diameter, mm	Pack qty
	11720135	70	100
	11730135	90	100
	11740135	110	100
	11750135	125	100
	11760135	150	100
	11770135	185	100
	11780135	210	100
	11790135	240	100
	11700145	320	100

Quantitative filter papers, ashless, continued

Technical specifications:

Product type	Quantitative filter paper, ashless
Material	100% cotton linter fibres, acid-washed and rinsed with demineralised water
Grade	14
Application areas	Slow filtering. Narrow-pored filter paper used for fine precipitates such as lead dioxide, calcium fluoride, nickel sulfide, zinc sulfide, dioxide and lead molybdate
Weight (g/m ²)	84
Thickness (mm)	0.15
Pore size (µm)	3-5
Filtration speed (s) to DIN 53137	100
Burst strength (kg/cm ²)	>0.20
Ash content (%)	0.007%



Plain disc	Cat. No	Diameter, mm	Pack qty
	11710145	45	100
	11787983	55	100
	11797983	70	100
	11728963	90	100
	11738963	110	100
	11748963	125	100
	11720145	135	100
	11768963	150	100
	11778963	185	100
	11707993	210	100
	11717993	240	100
	10203102	270	100

Folded	Cat. No	Diameter, mm	Pack qty
	11740145	70	100
	11750145	90	100
	11760145	110	100
	11770145	125	100
	11780145	150	100
	11866081	185	100
	11790145	210	100
	11700155	240	100
	11710155	320	100

Technical specifications:

Product type	Quantitative filter paper, ashless
Material	100% cotton linter fibres, acid-washed and rinsed with demineralised water
Grade	15
Application areas	Very slow filtering. Fine-pored filter paper used for extremely difficult filtration conditions such as cold barium sulfate, metastannic acid, cuprous oxide.
Weight (g/m ²)	84
Thickness (mm)	0.14
Pore size (µm)	2-3
Filtration speed (s) to DIN 53137	180
Burst strength (kg/cm ²)	>0.20
Ash content (%)	0.007%

Plain disc	Cat. No	Diameter, mm	Pack qty
	11720155	42.5	100
	11730155	45	100
	11415198	55	100
	11425198	70	100
	11435198	90	100
	11445198	110	100
	11455198	125	100
	11740155	135	100
	11465198	150	100
	11475198	185	100
	11727993	210	100
	11485198	240	100
	10599782	270	100
	11750155	320	100

Folded	Cat. No	Diameter, mm	Pack qty
	11730165	70	100
	11740165	90	100
	11750165	110	100
	11760165	125	100
	11770165	150	100
	11780165	185	100
	11790165	210	100
	11700175	240	100
	11710175	270	100

Glass microfibre filters

Technical specifications:

Product type	Glass microfibre filters
Material	100% borosilicate microglass fibres, binder-free and rinsed with demineralised water
Grade	259
Weight (g/m ²)	52
Thickness (mm)	0.26
Pore size (µm)	1.6
Filtration speed (sec) according to Herzberg	60
Burst strength (kPa)	20
Binder	Free
Ash content (%)	0.007%



Plain disc	Cat. No	Diameter, mm	Pack qty
	11714073	25	100
	11745245	37	100
	11748553	38	100
	11758553	42.5	100
	11724073	47	100
	11798762	55	100
	11768553	60	100
	11455238	70	100
	11755245	80	100
	11465238	90	100
	11475238	110	100
	11774073	125	100
	11784073	150	100
	11714616	185	50
	11724616	240	50

Glass microfibre filters, continued



Technical specifications:

Product type	Glass microfibre filters
Grade	260
Material	100% borosilicate microglass fibres, binder-free and washed in demineralised water
Weight (g/m ²)	143
Thickness (mm)	0.7
Pore size (µm)	1
Filtration speed (sec) according to Herzberg	200
Burst strength (kPa)	50
Binder	Binder-free
Ash content (%)	0.007%

Plain disc	Cat. No	Diameter, mm	Pack qty
	11704103	25	50
	11734616	42.5	50
	11714103	47	50
	11744616	55	50
	11754616	60	50
	11724103	90	50
	11734103	110	25
	11744103	125	25
	11754103	150	25
	11774556	185	25

Technical specifications:

Product type	Glass microfibre filters
Grade	261
Material	100% borosilicate microglass fibres, binder-free and washed in demineralised water
Weight (g/m ²)	52
Thickness (mm)	0.26
Pore size (µm)	1.2
Filtration speed (sec) according to Herzberg	100
Burst strength (kPa)	20
Binder	Binder-free
Ash content (%)	0.007%

Plain disc	Cat. No	Diameter, mm	Pack qty
	11512083	25	100
	11715255	37	100
	11725255	42.5	100
	11704083	47	100
	11735255	55	100
	11745255	60	100
	11532083	70	100
	11765255	80	100
	11714083	90	100
	11724083	110	100
	11734083	125	100
	11744083	150	100
	11774616	185	50

Glass microfibre filters, continued

Technical specifications:

Product type	Glass microfibre filters
Grade	262
Material	100% borosilicate microglass fibres, binder-free and washed in demineralised water
Weight (g/m ²)	120
Thickness (mm)	0.53
Pore size (µm)	2.7
Filtration speed (sec) according to Herzberg	30
Burst strength (kPa)	20
Binder	Binder-free
Ash content (%)	0.007%



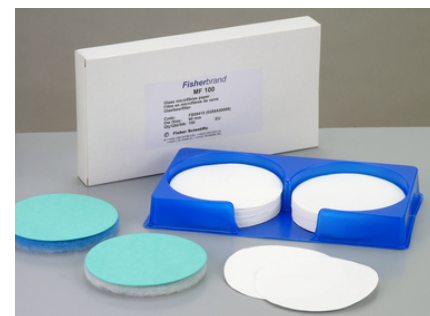
Plain disc	Cat. No	Diameter, mm	Pack qty
	11704113	25	50
	11784616	37	50
	11714113	47	50
	11724113	90	50
	11704566	185	25

Technical specifications:

Product type	Glass microfibre filters
Grade	263
Material	100% borosilicate microglass fibres, binder-free and washed in demineralised water
Weight (g/m ²)	75
Thickness (mm)	0.45
Pore size (µm)	0.7
Filtration speed (sec) according to Herzberg	310
Burst strength (kPa)	50
Binder	Binder-free
Ash content (%)	0.007%

Plain disc	Cat. No	Diameter, mm	Pack qty
	11754083	25	100
	11735265	37	100
	11798553	42.5	100
	11764083	47	100
	11778553	55	100
	11708563	70	100
	11714626	90	50
	11724626	110	50
	11734626	125	50
	11744626	150	50

Quartz microfibre filters



Technical specifications:

Product type	Quartz microfibre filters
Grade	293
Material	100% microquartz fibres
Weight (g/m ²)	85
Penetration DOP% (0,3µm)	<0.002
Efficiency of retention %	99.999
Air resistance 40cm/s	20
Pressure drop Pa à 3 cm/s	60
Trace metal analysis (ppm)	

Fe	Mg	Mn	Na	Ni	Pb	Sr	Al	Ba	Ca	Cd	Co	Cr	Cu	Ti	V	Zn
50	25	2	100	2	<1	3	300	10	250	0.002	<0.5	2	2	<1	<5	6

Plain disc	Cat. No	Diameter, mm	Pack qty
	11820952	25	50
	11764626	37	50
	11810952	47	50
	11764063	55	100
	11714636	70	50
	11784626	85	50
	11774063	90	50
	11784063	110	50
	11794626	118	50
	11794063	125	50
	11704636	130	50
	11704073	150	50

Extraction thimbles

Technical specifications:

Product type	Extraction thimble
Grade	7
Material	High purity Cellulose Fibers and Cotton Linters
Application areas	Suitable for all extraction systems



Thimbles	Cat. No	Dimensions, mm	Pack qty
	11724043	19 x 90	25
	11734043	22 x 80	25
	11744043	25 x 80	25
	11754043	25 x 100	25
	11774043	26 x 60	25
	11784526	27 x 80	25
	11784043	28 x 80	25
	11794043	28 x 1 00	25
	11704053	30 x 80	25
	11714053	30 x 100	25
	11724053	33 x 80	25
	11734053	33 x 100	25
	11744536	33 x 118	25
	11794526	34 x 130	25
	11744053	37 x 130	25
	11754053	41 x 123	25
	11704536	41 x 150	25
11754536	43 x 123	25	

Syringe filters

Guide to membrane properties

- to help you select the optimum product for your application



Membrane	Protein binding	Hydrophilic/hydrophobic	Chemical resistance	Applications
Hydrophilic PTFE	Low	Hydrophilic	High	Purification of HPLC organic and solvent /aqueous solutions
PES	Low	Hydrophilic	Low/medium	Purification of tissue culture solutions, buffers
PVDF	Low	Hydrophilic	Medium	Filtration of protein solutions
Hydrophobic PTFE	Low	Hydrophobic	High	Filtration of solvents
Nylon	Medium	Hydrophilic	Medium	Filtration of aqueous and solvent /aqueous mixtures

Cat. No	Membrane material	Diameter, mm	Pore size, μm	Sterile	Pack qty
15206869	PES	33	0.2	Yes	50
15216869	PES	33	0.45	Yes	50
15181489	Hydrophilic PTFE	25	0.2	No	50
15101499	Hydrophilic PTFE	25	0.45	No	50
15121499	Nylon	25	0.2	No	50
15131499	Nylon	25	0.45	No	50
15141499	PTFE	25	0.2	No	50
15151499	PTFE	25	0.45	No	50
15161499	PTFE	13	0.2	No	100
15171499	PTFE	13	0.45	No	100
15181499	PVDF	33	0.2	Yes	50
15191499	PVDF	33	0.45	Yes	50