

GENERAL CATALOGUE

Quantitative filter paper

Ash content that is less than 0.01%. Critical analysis and gravimeters.



Description

Filter paper for quantitative analysis FILTER-LAB® are made under the strictest requirements of quality not only of the raw materials used but also of the conditions in which the production processes take place.

For its manufacture we use cellulose fibers and very pure cotton linters whose content in alpha cellulose is virtually 100%. At any rate, the cellulose fibers its natural state contain small quantities of organic and inorganic impurities. It is because of this that these paper filter papers require a special production process.

Once the filter paper is manufactured in the desired physical conditions (weight in grams, thickness, speed filtration, etc.) a washing process with acids is initiated (generally HF and HCl) which concludes with a final cleaning with demineralized water. We get two important properties in the process as the high resistance to the moist state and the ash content is less than 0.01%.

Because all of this, these filters are specially suitable for filtration with Büchner funnels in quantitative analyses since they meet the requirements of international standards with regard to ash content.

This range is formed by 7 qualities with different filtration and retention:

Technical specifications

Ref.	Filtration	Grammage	Thickness	Pore size	Ashes
		g/m^2	mm	µm	%
1232	Extra-fast	85	0.220	25-35	< 0.01
1235	Very fast	85	0.200	25-30	< 0.01
1238	Fast	85	0.200	20-25	< 0.01
1240	Medium	85	0.200	14-18	< 0.01
1242	Medium-slow	70	0.160	7-9	< 0.01
1244	Slow	85	0.170	2-4	< 0.01
1246	Very slow	100	0.200	1-3	< 0.01

APPLICATIONS

Ref. 1232. Extra fast filtration

- Filtration of very thick precipitations and jelly precipitations.
- Photometrical analysis in juicy samples.

Ref. 1235. Very fast filtration

- Filtration of thick precipitates such as $Fe(OH)_3$, $Al(OH)_3$, $Si O_2$, $Cr(OH)_3$
- Gravimetric analysis of particles of present particles in the air.
- Determination of the content of silica in Steel and iron.
- Control of the desertion in petroleum fractions.

Ref. 1238. Fast filtration

- Filtration of silver sulfides, arsenic, cadmium, iron, lead and manganese.
- Analyses of food
- Analyses of floors
- Determination of heavy metals in the water

Ref. 1240. Medium filtration

- Filtration of medium-sized particles: calcium oxalate, some metallic sulfates and others
- Analyses of the dimension of the grain of cement by Blaine's test and Dickerhoof system.
- Calculation of Mg in waters or as quality standard in gravimeters.
- Determination of the content of some kind of cements.
- Analyses of food

Ref. 1242. Medium-slow filtration

- Analyses of different components of the cement, moods, and aqueous extracts from floors.
- Determination of oils in aqueous samples.
- Determination of sediments in milk.
- Capture of radionuclide and traces of elements from the atmosphere.

Ref. 1244. Slow filtration

- Retention of fine or semicolloidal particles such as barium sulfate and lead in cold.
- Retention of particles of calcium carbonate samples.
- Analysis of insoluble particles in oils and animal or vegetal fats.

Ref. 1246. Very slow filtration

- Retention of very fine particles as cooper oxide.
- Fine mud samples with particles filtration.

Formats and dimensions



12.5*	12.7*	12.8*	25	42.5	47	50	55	70	90	110	125	150	185	200	240	250	270	320

Dimensions: Diameter in mm
Presentation: Packs of 100 units

* Packs of 1.000 units



70	90	110	125	150	185	200	240	250	270	320

Dimensions: Diameter in mm
Presentation: Packs of 100 units



203 x 254	460 x 570

Dimensions: Measures in mm
Presentation: Packs of 100 units

Other formats and dimensions available under demand.

INFORMATION FOR ORDERS. Quantitative analysis filter paper

Ref. 1232. Extra-fast filtration

Size mm Ø	Plain	Folded	Sheets	units/box
25	PN1232025	-	-	100
42.5	PN12320425	-	-	100
47	PN1232047	-	-	100
50	PN1232050	-	-	100
55	PN1232055	-	-	100
70	PN1232070	PL1232070	-	100
90	PN1232090	PL1232090	-	100
110	PN1232110	PL1232110	-	100
125	PN1232125	PL1232125	-	100
150	PN1232150	PL1232150	-	100
185	PN1232185	PL1232185	-	100
200	PN1232200	PL1232200	-	100
240	PN1232240	PL1232240	-	100
250	PN1232250	PL1232250	-	100
270	PN1232270	PL1232270	-	100
320	PN1232320	PL1232320	-	100
203 x 254	-	-	HJ1232203254	100
460 x 570	-	-	HJ1232460570	100

Ref. 1235. Very fast filtration

Size mm Ø	Plain	Folded	Sheets	units/box
25	PN1235025	-	-	100
42.5	PN12350425	-	-	100
47	PN1235047	-	-	100
50	PN1235050	-	-	100
55	PN1235055	-	-	100
70	PN1235070	PL1235070	-	100
90	PN1235090	PL1235090	-	100
110	PN1235110	PL1235110	-	100
125	PN1235125	PL1235125	-	100
150	PN1235150	PL1235150	-	100
185	PN1235185	PL1235185	-	100
200	PN1235200	PL1235200	-	100
240	PN1235240	PL1235240	-	100
250	PN1235250	PL1235250	-	100
270	PN1235270	PL1235270	-	100
320	PN1235320	PL1235320	-	100
203 x 254	-	-	HJ1235203254	100
460 x 570	-	-	HJ1235460570	100

Ref. 1238. Fast filtration

Size mm Ø	Plain	Folded	Sheets	units/box
25	PN1238025	-	-	100
42.5	PN12380425	-	-	100
47	PN1238047	-	-	100
50	PN1238050	-	-	100
55	PN1238055	-	-	100
70	PN1238070	PL1238070	-	100
90	PN1238090	PL1238090	-	100
110	PN1238110	PL1238110	-	100
125	PN1238125	PL1238125	-	100
150	PN1238150	PL1238150	-	100
185	PN1238185	PL1238185	-	100
200	PN1238200	PL1238200	-	100
240	PN1238240	PL1238240	-	100
250	PN1238250	PL1238250	-	100
270	PN1238270	PL1238270	-	100
320	PN1238320	PL1238320	-	100
203 x 254	-	-	HJ1238203254	100
460 x 570	-	-	HJ1238460570	100

Ref. 1240. Medium filtration

Size mm Ø	Plain	Folded	Sheets	units/box
12.5	PN12400125	-	-	1000
12.7	PN12400127			1000
12.8	PN12400128			1000
25	PN1240025	-	-	100
42.5	PN12400425	-	-	100
47	PN1240047	-	-	100
50	PN1240050	-	-	100
55	PN1240055	-	-	100
70	PN1240070	PL1240070	-	100
90	PN1240090	PL1240090	-	100
110	PN1240110	PL1240110	-	100
125	PN1240125	PL1240125	-	100
150	PN1240150	PL1240150	-	100
185	PN1240185	PL1240185	-	100
200	PN1240200	PL1240200	-	100
240	PN1240240	PL1240240	-	100
250	PN1240250	PL1240250	-	100
270	PN1240270	PL1240270	-	100
320	PN1240320	PL1240320	-	100
203 x 254	-	-	HJ1240203254	100
460 x 570	-	-	HJ1240460570	100

INFORMATION FOR ORDERS. Quantitative analysis filter paper

Ref. 1242. Medium-slow filtration

Size mm Ø	Plain	Folded	Sheets	units/box
25	PN1242025	-	-	100
42.5	PN12420425	-	-	100
47	PN1242047	-	-	100
50	PN1242050	-	-	100
55	PN1242055	-	-	100
70	PN1242070	PL1242070	-	100
90	PN1242090	PL1242090	-	100
110	PN1242110	PL1242110	-	100
125	PN1242125	PL1242125	-	100
150	PN1242150	PL1242150	-	100
185	PN1242185	PL1242185	-	100
200	PN1242200	PL1242200	-	100
240	PN1242240	PL1242240	-	100
250	PN1242250	PL1242250	-	100
270	PN1242270	PL1242270	-	100
320	PN1242320	PL1242320	-	100
203 x 254	-	-	HJ1242203254	100
460 x 570	-	-	HJ1242460570	100

Ref. 1244. Slow filtration

Size mm Ø	Plain	Folded	Sheets	units/box
25	PN1244025	-	-	100
42.5	PN12440425	-	-	100
47	PN1244047	-	-	100
50	PN1244050	-	-	100
55	PN1244055	-	-	100
70	PN1244070	PL1244070	-	100
90	PN1244090	PL1244090	-	100
110	PN1244110	PL1244110	-	100
125	PN1244125	PL1244125	-	100
150	PN1244150	PL1244150	-	100
185	PN1244185	PL1244185	-	100
200	PN1244200	PL1244200	-	100
240	PN1244240	PL1244240	-	100
250	PN1244250	PL1244250	-	100
270	PN1244270	PL1244270	-	100
320	PN1244320	PL1244320	-	100
203 x 254	-	-	HJ1244203254	100
460 x 570	-	-	HJ1244460570	100

Ref. 1246. Very slow filtration

Size mm Ø	Plain	Folded	Sheets	units/box
25	PN1246025	-	-	100
42.5	PN12460425	-	-	100
47	PN1246047	-	-	100
50	PN1246050	-	-	100
55	PN1246055	-	-	100
70	PN1246070	PL1246070	-	100
90	PN1246090	PL1246090	-	100
110	PN1246110	PL1246110	-	100
125	PN1246125	PL1246125	-	100
150	PN1246150	PL1246150	-	100
185	PN1246185	PL1246185	-	100
200	PN1246200	PL1246200	-	100
240	PN1246240	PL1246240	-	100
250	PN1246250	PL1246250	-	100
270	PN1246270	PL1246270	-	100
320	PN1246320	PL1246320	-	100
203 x 254	-	-	HJ1246203254	100
460 x 570	-	-	HJ1246460570	100