TECHNICAL DATA SHEET

Description Quantitative filter paper, FILTER-LAB®
ref. 1240 125 mm diameter. Pack 100 units

Product code PN1240125

FILTER-LAB® catalogue 2017
Pages 16 to 19

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.

TECHNICAL SPECIFICATIONS

code	PN1240125
Grammage (UNE-EN-ISO 536)	85 g/m²
Thickness (UNE-EN 20534)	0.200 ± 0.01 mm
Filtration speed (DIN 53137)	49 – 61 s
Filtration	Medium
Pore size	14 – 18 µm
Wet burst strengh (ISO2758)	> 20 kPa
Ash content	≤ 0.01%
Diameter	125 mm
Format	Plain
Pack	100 units
Type of filter	Depth filter

RELATED PRODUCTS

Quantitative analysis filter paper

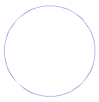
Ash content lower than 0.01%. Critical analysis and gravimeters.

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:

Ref.	Filtration	Grammage	Thickness	Pore size	Ashes
		g/m²	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

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

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

Others formats and dimensions available on demand.

Hardened quantitative analysis filter paper

Ash content lower than 0.01%. High moist resistance.

Its main characteristic, furthermore to have a low ashes content under 0.01% it is its high resistance to moist state, for this reason is recommended its use in pressure filtrations or in Büchner funnels in gravimetric analysis of samples with mild acidic or alkaline rating.

Likewise, its marked evenness on the surface of the filter allows one to recover most precipitates without the fibers adhering to them.

Ref.	Filtration	Grammage	Thickness	Pore	Ashes
		g/m^2	mm	µm	%
2235	Very fast	85	0.200	25-30	< 0.01
2240	Medium	85	0.200	15-17	< 0.01
2244	Slow	85	0.170	2-4	< 0.01

Formats and dimensions

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

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: diameter in mm
Presentation: Packs of 100 units

Others formats and dimensions available on demand.

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