


# 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 |