

TECHNICAL DATA SHEET



Description General use qualitative analysis filter, FILTER-LAB® ref. 1300G 450 mm diameter. Pack 100 units

Product code PN1300G450



FILTER-LAB® catalogue 2017
Pages 22 to 25

APPLICATIONS

Ref. 1300/80. Extra fast filtration, smooth.

- Routine laboratory leaks of various types: industry, hospitals, teaching, research, water, etc.
- Determination of sucrose in the sugar industry.
- Pre-filtration of filter paper samples prior greater retention.
- Quality control in the manufacture of zinc.

Ref. 1320. Extra fast filtration, smooth, thick.

- Filtration of viscous liquids, essences, syrups and dense oils.
- Filtration of liquids with high load precipitates.

Ref. 1318. Very fast filtration, crepe, thick.

- Filtration of viscous liquids, essences, syrups and dense oils.
- Filtration of samples of nectars.
- Precious metal recovery.

Ref. 1303. Very fast filtration, crepe, fine.

- Determination of sucrose in the sugar cane industry by the method of adding lead acetate.

Ref. 1300G. Medium-fast filtration, smooth.

- Routine filtrations where needed greater retention of particles with the filter paper 1300/80.

Ref. 1326 Fast filtration, crepe.

- Filtrations with high particulate loading
- Determination of sucrose in the sugar industry

TECHNICAL SPECIFICATIONS

Code	PN1300G450
Grammage (UNE-EN-ISO 536)	85 g/m ²
Thickness (UNE-EN 20534)	0.180 ± 0.01 mm
Filtration speed (INTERN REGULATION)	55 – 65 s/180 ml.
Filtration	Medium-fast
Surface	Smooth
Pore size	14 – 22 µm
Density (UNE-EN-20534)	0,472 gr/cm ³
Resistance in passing of air Gurley Metod (UNE-57065)	1,6 s
Air Permeability (INTERN REGULATION)	Max. 72 – Min. 60 l/min
Traction resistance (UNE-57028) (ISO-1924/1)	SL ≥ 2,48 – ST ≥ 1,63 kN/m.
Air resistance – speed 10 m/min	Max. 1808 – Min. 1392 Pa.
Elongation (UNE-57028) (ISO-1924/1)	SL 2,2 – ST 3%
Wet traction resistance (UNE-57028) (ISO-3781)	SL ≥ 0,490 – ST ≥ 0,320 kN/m.
Capillarity water Metod Klemm (UNE-57044)	SL ≥ 80 – ST ≥ 90 mm.
Ash content	≤ 0.15%
Diameter	450 mm
Format	Plain
Pack	100 units
Type of filter	Depth filter
Retention wet/dry (UNE-57030) (ISO-3781)	19,7%

RELATED PRODUCTS

General use qualitative analysis filter paper

Used for filtrations of routine in all kinds of laboratories

Description

These filter papers, manufactured with first quality pure cellulose, are used in all types of laboratories in routine works where needed a simple solid-liquid separation with maximum time savings. They are, therefore, rapid filtration or extra-rapid. Some have a rough surface and a high basis weight to increase their load capacity.

They are used in laboratories, in the food, pharmaceutical, beverage, schools, universities, chemical, water laboratories, etc..

All are supplied flat format, folded and sheets.

Ref.	Speed/Surface/Thickness	Grammage g/m ²	Thickness mm	Pore µm	Ashes %
1300/80	Very fast, smooth, medium	80	0.185	43-48	< 0.15
1320	Extra-fast, smooth, thick	160	0.470	60-68	< 0.15
1318	Very fast, crepe, thick	155	0.450	35-40	< 0.20
1303	Very fast, crepe, thin	64	0.165	34-42	< 0.15
1300G	Mediu-fast, smooth, medium	85	0.180	14-22	< 0.15
1326	Fast, crepe, medium	90	0.330	26-34	< 0.20

Formats and dimensions



25	42.5	47	50	55	70	90	110	125	130	150	185	200	240	250	270	300
320	350	400	450	500	650	800	1000									

Dimensions: diameter in mm
Presentation: Packs of 100 units



70	90	110	125	130	150	185	200	240	250	270	300	320	350	400	450
500	650	800	1000												

Dimensions: diameter in mm
Presentation: Packs of 100 units



203 x 254	460 x 570
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Dimensions: diameter in mm
Presentation: Packs of 100 units

Others formats and dimensions available on demand.

Analytical grade qualitative filter paper

Recommended on qualitative analysis with high level precision

Description

FILTER-LAB® filter paper for qualitative analytic grade analyses are manufactured with cotton linters and cellulose fibers with a high purity. For that reason, is used on qualitative tests of elevated precision like the determination or the identification of the materials, for example.

These papers have excellent chemical and moisture resistance due to the addition, during the manufacturing process, an inert binder. This product contains nitrogen, which in the case of Kjeldall analysis, we recommend using filter paper FILTER-LAB® ref. 1290, low in N.

The range is formed by 7 qualities and are available in plain format, folded and sheets.

Technical specifications

Ref.	Filtration	Grammage	Thickness	Pore	Ashes
		g/m ²	mm	μm	%
1248	Very fast	80	0.210	25-30	< 0.1
1249	Fast	88	0.180	20-25	< 0.1
1250	Medium	87	0.180	10-15	< 0.1
1252	Medium-slow	80	0.160	7-9	< 0.1
1254	Slow	80	0.160	2-4	< 0.1
1256	Very slow	100	0.190	1-3	< 0.1
1258	Mediu-slow, thick	200	0.360	5-7	< 0.1



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