

Quantitative Filter Papers



Quantitative Filter Papers

Dorsan © offers a full range of ashless filter papers to laboratory analysts for performing all kinds of quantitative analysis.

By calcining the paper the ash results obtained are $<0.01\%$ thus meeting international standards in this area.

For the manufacture of these papers high-quality alpha cellulose is used. Once produced, the paper is treated with acid and is subsequently washed with demineralized water.

Its great wet strength makes this filter papers ideal for use in Büchner filtrations.

Qualities

- **440.** Medium Filtration Speed. Featured on Büchner filtrations or Schöeninger supports combustion. Also recommended for calcium, oxalate, silica... Equivalent to Whatman 40.
- **441.** Fast Filtration Speed. It presents a very good retention of coarse precipitates. Recommended for the laboratories of metallurgical industries (iron or aluminum hydroxide) and food industry analysis. Equivalent to Whatman 41.
- **442.** Slow Filtration Speed. It is the filter paper that contains less ashes. Very good retention of fine particles (barium and lead sulphates) Equivalent to Whatman 42.
- **443.** Medium-Slow Filtration Speed. Determination of sand content and grade of flour in foodstuffs. Recommended for the analysis in electroplating, analysis of alkaline earth carbonates. Equivalent to Whatman 43.
- **444.** Slow-Thin Filtration Speed. Recommended for fine crystalline precipitates. Equivalent to Whatman 44.

Features

- Cotton and α - cellulose fibers
- Very low ash contains $<0.01\%$
- High wet strength
- Choice of filtration speed
- Wide range of diameters



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Quantitative Filter Papers characteristics

Grade	Grammage gm ²	Thickness mm	Ash Content % (800°C)	Herzberg (sec.x100 ml)	Rating µm	Filtration Characteristics	Equivalent Whatman
440	85	0.20	< 0.01	340	6-8	Medium	40
441	85	0.20	< 0.01	54	20-25	Fast	41
442	100	0.21	< 0.01	1970	2-3	Very Slow	42
443	85	0.20	< 0.01	175	14-16	Medium Slow	43
444	85	0.18	< 0.01	990	3-4	Slow	44

Quantitative Filter Papers size and codes

Diameter mm	Grade 440	Grade 441	Grade 442	Grade 443	Grade 444
55	440-055	441-055	442-055	443-055	444-055
70	440-070	441-070	442-070	443-070	444-070
90	440-090	441-090	442-090	443-090	444-090
110	440-110	441-110	442-110	443-110	444-110
125	440-125	441-125	442-125	443-125	444-125
150	440-150	441-150	442-150	443-150	444-150
185	440-185	441-185	442-185	443-185	444-185
240	440-240	441-240	442-240	443-240	444-240
320	440-320	441-320	442-320	443-320	444-320

All indicated data to be understood as typical average values.

This product is manufactured in conformance with the Quality Management standard DIN EN ISO 9001.

We reserve the right to change these informations without any previous notice.

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