

# Qualitative Filter Papers



## Qualitative Filter Papers

Dorsan © presents its offer of laboratory filter papers for qualitative analysis. From routine filtration applications to difficult viscous liquids such as syrups, oils and essences.

Whether plain or fluted, our filter papers achieve the highest levels of quality required by the most prestigious laboratories in the world. Our filter papers have been manufactured using high quality  $\alpha$ -cellulose and cotton fibers.

We offer our customers the optimum product to achieve their highest level of performance and satisfaction. These filter papers are widely recommended for daily qualitative filtration in laboratories.

### Features

- Cotton and  $\alpha$ -cellulose
- Wide range of products
- Choice of filtration speed
- Wide range of diameters
- Retention from 8  $\mu\text{m}$  to 65  $\mu\text{m}$

## Smooth Surface Qualities

**101.** Slow Filtration Speed, equivalent to Whatman 1. Filtration for routine laboratory work.

**102.** Very Slow Filtration Speed, equivalent to Whatman 2, and offers high particle retention. Widely used for soil analysis for agricultural research. Commonly used for air contamination control. Retention of particles greater than 2 microns.

**113.** Medium-Fast Filtration Speed, used in routine laboratory work. Retention of particles greater than 6 microns.

**180.** Fast Filtration Speed, equivalent to Whatman 93. This is the most commonly used filter paper for qualitative analysis. It is the recommended grade for normal laboratory filtration applications. Retention of particles greater than 10 microns.

**600.** Extra Fast Filtration Speed. Highly recommended for filtration of high viscosity liquids such as syrups, oils, essences... This high grammage filter paper is also recommended for the filtration of gelatinous precipitations. Retention of particles greater than 50 microns.

## Creped Surface Qualities

**75-C.** Fast Filtration speed, equivalent to Whatman 91 and Whatman 114. Low grammage filter paper for economic filtration. Commonly used in the filtration of viscous liquids with high particle content in suspension. Retention of particles greater than 25 microns. Used in beer analysis and recommended for prefiltration before SCABA analysis.

**90-C.** Creped Filter Paper which provides very fast filtration. Due to the creped surface filtration is faster than found with smooth surface filter papers. Widely used in the sugar industry for brix grade determination. Retention of particles greater than 30 microns.

**117-C.** Very Fast Filtration Speed, equivalent to Whatman 113. Offers high particle loading capacity. Frequently used in filtration of essences, resins, oils. Great capacity to retain large quantities of floculates and precipitates. Retention of particles greater than 40 microns.



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## Qualitative Filter Papers characteristics

Grade	Grammage gm <sup>2</sup>	Thickness mm	Herzberg (sec.x100 ml)	Rating µm	Filtration Characteristics	Whatman Equivalent
101	85	0,18	150	10	Medium	1
102	98	0,22	250	8	Medium Slow	2
103	200	0,40	315	6	Medium Slow	3
104	90	0,20	40	22	Very Fast	4
105	100	0,19	1450	3	Very Slow	5
106	100	0,19	800	3,5	Slow	6
113	70	0,17	92	6	Medium Fast	
180	80	0,16	60	10	Fast	93
600	160	0,47	3	65	Extra Fast	
75-C	75	0,20	20	20	Very Fast	91 / 114
90-C	86	0,30	30	30	Very Fast	
117-C	140	0,45	5	30	Extra Fast	113

## Qualitative Filter Papers size and codes

Diameter mm	Grade 101	Grade 102	Grade 103	Grade 104	Grade 105	Grade 106	Grade 113	Grade 180	Grade 600
70	101-070	102-070	103-070	104-070	105-070	106-070	113-070	180-070	600-070
90	101-090	102-090	103-090	104-090	105-090	106-090	113-090	180-090	600-090
110	101-110	102-110	103-110	104-110	105-110	106-110	113-110	180-110	600-110
125	101-125	102-125	103-125	104-125	105-125	106-125	113-125	180-125	600-125
150	101-150	102-150	103-150	104-150	105-150	106-150	113-150	180-150	600-150
185	101-185	102-185	103-185	104-185	105-185	106-185	113-185	180-185	600-185
200	101-200	102-200	103-200	104-200	105-200	106-200	113-200	180-200	600-200
300	101-300	102-300	103-300	104-300	105-300	106-300	113-300	180-300	600-300
320	101-320	102-320	103-320	104-320	105-320	106-320	113-320	180-320	600-320
350	101-350	102-350	103-350	104-350	105-350	106-350	113-350	180-350	600-350
400	101-400	102-400	103-400	104-400	105-400	106-400	113-400	180-400	600-400
450	101-350	102-350	103-350	104-350	105-350	106-350	113-350	180-350	600-350
500	101-500	102-500	103-500	104-500	105-500	106-500	113-500	180-500	600-500
650	101-650	102-650	103-650	104-650	105-650	106-650	113-650	180-650	600-650
800	101-800	102-800	103-800	104-800	105-800	106-800	113-800	180-800	600-800

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## Qualitative Filter Papers size and codes

Diameter mm	Grade 75-C	Grade 90-C	Grade 117-C
70	75C-070	90C-070	117C-070
90	75C-090	90C-090	117C-090
110	75C-110	90C-110	117C-110
125	75C-125	90C-125	117C-125
150	75C-150	90C-150	117C-150
185	75C-185	90C-185	117C-185
200	75C-200	90C-200	117C-200
300	75C-300	90C-300	117C-300
320	75C-320	90C-320	117C-320
350	75C-350	90C-350	117C-350
400	75C-400	90C-400	117C-400
450	75C-350	90C-350	117C-350
500	75C-500	90C-500	117C-500
650	75C-650	90C-650	117C-650
800	75C-800	90C-800	117C-800

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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