

## Whatman filter paper n.1 - flat discs diam. 500 mm

### grade 1:11 one

These cellulose filters are widely used in qualitative analyzes to determine and identify materials.

Pleated qualitative filters are available on request, which guarantee higher flow rates and load capacities than equivalent flat filters.



Most used filter paper for routine applications with medium retention capacity and flow rate.

The range includes round filters with a diameter of 10 to 500 mm and 460 x 570 mm sheets.

This filter is also available in the Whatman FilterCup version: a practical disposable polypropylene filter funnel, 70 mm in diameter and with a capacity of 250 ml, equipped with an integrated thermo-bonded filter.

This type of filter covers a wide range of laboratory applications and is often used for liquid clarification.

It is commonly used in qualitative analytical separations for precipitates such as lead sulphate, calcium oxalate (at elevated temperature) and calcium carbonate.

In agriculture, it is used for soil analyzes and germination tests.

In the food industry, grade 1 filter paper is used in a number of routine methods for separating solid food substances from associated liquids or extraction liquids and is widely used in teaching for the display of simple qualitative analytical separations.

In air pollution monitoring, discs or rolls are used to collect atmospheric dust from the air stream and measure the intensity of the color photometrically. For gas detection, the paper is impregnated with a chromogenic reagent and the color formed is quantified by reflectance.

Grade 1: 11 µm

### Technical features

Nominal retention of particles in liquids (at 98% efficiency)	11 µm
Nominal thickness	180 µm
Typical water flow	57 ml / min
Nominal base weight	87 g / m <sup>2</sup>
Nominal air flow	13 s / 100 ml / in (for 9 cm diameter)
Nominal ash content	0.06%
(determined by incinerating the filter at 900 ° C in the air)	
Material	Cellulose
Typical levels of trace elements	Aluminum 3.6 µg / g Antimony <0.5 µg / g Arsenic <0.5 µg / g Barium <0.5 µg / g Boron
Applications	Filter paper used for routine applications with medium retention and flow rate.  It covers a wide range of laboratory applications and is often used for liquid clarification.

Format  
Pieces per pack

Discs  
100 pieces

**Code**

481001500

**Description**

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500 mm