

# FISHERMAN FILTER PAPERS

## Properties

FISHERMAN No1	QUANTITATIVE FILTER PAPER
material	cellulose filters
	circles
packaging	pack of 100
mfr. no.	Fisherman Article No., 33010 - 33018 (India - reference)
	Fisherman, No – 1 – 5.0cm – 18.0cm
grade no. 1	11µm (medium retention and flow rate)
parameter	0.25 psi wet burst
	150 sec/100 mL speed
diam.	50, 70, 90, 110, 125, 150 & 180 mm
thickness	180µm
ash	≤0.06%
pore size	11µm (Particle retention)
basis weight	87 g/m <sup>2</sup>

## Description

### General description

These cellulose filters are used in qualitative analytical techniques to determine and identify materials. Prepleated qualitative filters are also available, which give improved flow rate and increased loading capacity compared to equivalent flat filters.

### Grade 1: 11µm (medium flow filter paper)

The most widely used filter paper for routine applications with medium retention and flow rate. Extended range of sizes includes 10 to 500 mm diameter circles and 460 x 570 mm sheets.

This grade covers a wide range of laboratory applications and is frequently used for clarifying liquids. Traditionally the grade is used in qualitative analytical separations for precipitates such as lead sulphate, calcium oxalate (hot), and calcium carbonate.

In agriculture, it is used for soil analysis and seed testing procedures. In the food industry, Grade 1 is used for numerous routine techniques to separate solid foodstuffs from associated liquid or extracting liquid and is widely used in education for teaching simple qualitative analytical separations.

In air pollution monitoring, using circles or rolls, atmospheric dust is collected from airflow and the stain-intensity measured photometrically. For gas detection, the paper is impregnated with a chromogenic reagent and color formation quantified by optical reflectance.

### Other Notes

Field of Use : For internal research use only. Products are not intended for diagnostic use.