

## Whatman filter paper n.597 1-2 - folded discs diam. 270 mm

### grade 597:4-7 a

Pleated filter paper has major advantages over flat round filters:

- time savings required to fold round filters into squares to fit the cone of filter funnels in repetitive or multiple analyzes
- reduction of the overall filtration time thanks to the larger filtering surface; the normal slowing down of the filtration speed due to particle loading is delayed
- increase of the total load capacity thanks to the greater filtering surface
- maintenance of the filtration speed due to the reduced contact of the filter paper with the wall of the funnel and, of course, due to the self-standing shape of the filter itself
- pleating does not significantly affect any technical data and the same data as for round filters are valid



Grade 597: 4-7  $\mu\text{m}$

Semi-fast filter paper with medium to fine particle retention.

Used for a wide range of routine industrial applications such as food analysis (e.g. fat content determination according to paragraph 35 of the German Food and Consumer Goods Act LMBG) or the removal of carbon dioxide and substances cloudy drinks (e.g. EBC or MEBAK beer analysis).

#### Technical features

Degree	Grade 597½
Nominal retention of particles in liquids (at 98% efficiency)	4-7 $\mu\text{m}$
Nominal thickness	180 $\mu\text{m}$
Filtration rate (Herzberg)	140 s
Nominal base weight	85 g / m <sup>2</sup>
Material	Cellulose
Applications	Used for a wide range of routine analytical applications in different industries such as food testing (e.g. fat content determination) or carbon dioxide and turbidity removal from beverages (e.g. beer testing).
Format	Discs
Pieces per pack	100 pieces

Code	Description
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