

DOMINIQUE DUTSCHER SAS

Whatman™ Quantitative Filter Papers, Hardened Low Ash, Grade 52

Grade 52 is a general-purpose filter paper for quantitative analysis in Büchner funnel and other vacuum filtrations. The acid-hardened surface and low ash content enable efficient precipitate recovery.

Overview

Cytiva's Whatman Grade 52 is a general-purpose filter paper for quantitative analysis in Büchner funnel and other vacuum filtrations. The acid-hardened surface and low ash content enable efficient precipitate recovery.

- Manufactured from high-quality cotton linters and treated to remove trace metals
- High wet-strength and chemical resistance
- Nominal particle retention of 7 µm
- Medium flow rate (Herzberg filtration speed 235 s)
- High purity (0.015% ash maximum)
- Compatible with Hirsch or Büchner funnel applications

Cytiva's business offers three grades of hardened low ash filter paper. All three are designed for use in Hirsch and Büchner funnel applications and can be customized for an exact fit.

Büchner funnel vacuum filtration

The quality of analysis resulting from vacuum filtration using a Hirsch or Büchner funnel relies on using a high-quality filter that avoids introducing artifacts into measurement. Cytiva's Grade 52 hardened filter paper is acid-treated to prevent fiber shredding during vacuum filtration or precipitate collection.

Looking for a filter paper, membrane filter, or syringe filter? Let Cytiva help you find the optimal filter for your needs to ensure reliable analysis.

Product specifications

Whatman™ Grade 52 quantitative filter paper, hardened low ash, 110 mm circle (100/Pk)

Catalog code	1452-110
Diameter	110 mm
Pack size	100/Pk
Format	Circles
Grade	Grade 52
Material	High-quality cotton linters
Basis weight	96 g/m²
Nominal thickness	175 µm
Alpha cellulose content min.	≥98%
Application	Suitable for Büchner filtrations where it is desirable to recover the precipitate from the filter surface after filtration.
Ash content %	0.015%
Nominal air flow rate	15 s/100 mL/in²
Type	Hardened low ash
Typical particle retention in liquid	7 µm
Typical water flow rate	66 ml/min at 45 psi (3.1 bar)

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