

DOMINIQUE DUTSCHER SAS

Whatman™ Quantitative Filter Paper, Hardened Low Ash, Grade 50

Grade 50 quantitative hardened low ash filter paper is highly glazed to enable recrystallization of very fine precipitates using Büchner funnel or Hirsch funnel filtration.

Overview

Whatman Grade 50 quantitative hardened low ash filter paper is highly glazed to enable recrystallization of very fine precipitates using Büchner funnel or Hirsch funnel filtration.

This hard, very thin, high wet-strength Grade 50 quantitative filter paper withstands wet handling and precipitate removal by scraping. With very minimal fiber shedding, they are an especially good choice for use as carriers in integrated circuits.

Slow filtration for strong retention of very fine particles

- Thinner filter design (average thickness 115 µm) than most Büchner filter papers
- Nominal particle retention of 2.7 µm
- Slow flow rates (Herzberg filtration speed 2685 s)
- High purity and low ash content (0.015% ash maximum)
- Acid-treated for high wet-strength and chemical resistance
- Hardened to minimize fiber shredding

Whatman low ash hardened filter paper for quantitative analysis is available in three grades. All three are designed for use in gravity and vacuum suction filtration in Buchner and Hirsch funnels. Grade 50 is also available in Smear Tab format for wipe testing, such as surface testing for radionuclide contamination.

All Whatman low ash hardened filter papers can be customized for an exact fit.

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 50 quantitative filter paper, hardened low ash, Thin, 42.5 mm circle (100/Pk)

Catalog code	1450-042
Diameter	42.5 mm
Pack size	100/Pk
Format	Circles
Grade	Grade 50
Material	High-quality cotton linters
Basis weight	96 g/m²
Nominal thickness	115 µm
Alpha cellulose content min.	≥98%
Application	For qualitative or quantitative filtrations requiring vacuum assistance on Büchner or 3-piece filter funnels.
Ash content %	0.015%
Nominal air flow rate	144 s/100 mL/in²
Type	Hardened low ash
Typical particle retention in liquid	2.7 µm
Typical water flow rate	10 ml/min at 45 psi (3.1 bar)

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