

Whatman™ Quantitative Filter Papers, Hardened Low Ash, Grade 54

Grade 54 hardened low ash quantitative filter paper for Büchner funnel and Hirsch funnel filtration enables fast vacuum suction filtration for recrystallization applications.

Overview

Whatman Grade 54 hardened low ash quantitative filter paper for Büchner funnel and Hirsch funnel filtration enables fast vacuum suction filtration for recrystallization applications.

This hard, smooth, high wet-strength Grade 54 fast filter paper enables collection of coarse and gelatinous precipitates with minimal fiber shredding, even when wet.

Fast filters for vacuum filtration

- Higher nominal particle retention rating (22 µm) than comparable Buchner funnel filter papers
- Fast filtration speed (Herzberg filtration speed 39 s)
- High purity (0.015% ash maximum)
- Acid-treated for high wet-strength and chemical resistance
- Hardened to minimize fiber shedding

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 Büchner and Hirsch funnels.

All Whatman quantitative hardened low ash 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.

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Product specifications
Whatman™ Grade 54 quantitative filter paper, hardened low ash, fast, 110 mm circle (100/Pk)

Catalog code	1454-110
Diameter	110 mm
Pack size	100/Pk
Format	Circles
Grade	Grade 54
Material	High-quality cotton linters
Basis weight	90 g/m²
Nominal thickness	185 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. ; High wet strength makes this grade very suitable for vacuum assisted fast filtration of ‘difficult’ coarse or gelatinous precipitates.
Ash content %	0.015%
Nominal air flow rate	3 s/100 mL/in²
Type	Hardened low ash
Typical particle retention in liquid	22µm
Typical water flow rate	453 ml/min at 45 psi (3.1 bar)

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