

CELLULOSE FILTER PAPERS

QUANTITATIVE FILTER PAPER SPECIFICATIONS

Grade	Nominal Retention	Thickness	Weight (g/m ²)	H ₂ O Flow ¹	Collection Efficiency ²	Wet Strength ³	Adsorption Speed ⁴	Applications/Features
Sterlitech Filter Papers								
CFP 40	8-10 µm	0.20 mm	185	MEDIUM	-	-	-	Medium retention/flow rate for environmental, gas, and liquid food testing.
CFP 41	19-26 µm	0.22 mm	85	FAST	-	-	-	Fast flow rate/loose retention characteristics for initial separation of gelatinous precipitates.
CFP 42	2-3 µm	0.17 mm	140	SLOW	-	-	-	Extremely high retention rate for any gravimetric analysis of fine precipitates.
CFP 43	15-17 µm	0.21 mm	85	MEDIUM	-	-	-	Medium retention/flow rate for gravimetric analysis, surface water testing, and air sample monitoring.
CFP 44	1.5-3.5 µm	0.165 mm	85	SLOW				Wider retention rate than CFP 42; for the analysis of samples requiring separation of fine precipitates.
Advantec Filter Papers								
No. 3	5-10 µm	0.23 mm	113	130 s	80%	19.4	7.5 cm	Medium retention (5-10 µm) for analysis of soils, fertilizers, cement, and minerals. Fast flow rate.
No. 5A	>10 µm	0.22 mm	97	60 s	75%	14.3	9.5 cm	Retains coarse particles/gelatinous precipitates (>10 µm) for hydroxides/metallic aerosols, environmental monitoring, silica content in steel. Fast flow rate.
No. 5B	5-10 µm	0.21 mm	108	195 s	90%	14.3	7.0 cm	Retains medium particles (5-10 µm) such as: CaCO ₃ , PbSO ₄ , CaCO ₄ , MnCO ₃ , ZnCO ₃ , ZnS, AgCl.
No. 5C	<5 µm	0.22 mm	118	570 s	93%	24.5	6.0 cm	Collects fine precipitates (<5 µm) such as: SrSO ₄ , BaSO ₄ , HgCrO ₄ , colloidal dispersions, gravimetric analysis.
No. 6	2-10 µm	0.20 mm	103	300 s	90%	14.3	6.0 cm	Medium-fine retention (2-10 µm) for analysis of trace and precious metals.
No. 7	5-10 µm	0.18 mm	87	200 s	85%	11.2	74.0 cm	Highest purity for retaining medium particles (5-10 µm) for precise gravimetric analysis.

¹ The time in seconds (s) to filter 100 mL of distilled H₂O at 20°C under pressure supplied by a 10 cm water column through a 10 cm² section of filter

² Measured as mm H₂O/5 cm/s