

CELLULOSE FILTER PAPERS

QUALITATIVE FILTER PAPER SPECIFICATIONS

Grade	Retention Characteristics (µm)	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 1	11	0.20 mm	86	MEDIUM	-	-	-	Medium retention (~11 µm) for separating PbSO ₄ , CaCO ₃ , CaC ₂ O ₄ precipitates. Medium flow rate.
CFP 2	8	0.17 mm	101	MED-SLOW	-	-	-	Medium retention (~8 µm) for absorbent conveyance, plant growth trials, and air/gas monitoring. Med.-slow flow rate.
CFP 3	6	0.32 mm	190	SLOW	-	-	-	Medium retention (~6 µm) for high volumes and as a sample conveyance substrate. Slow flow rate.
CFP 4	25	0.21 mm	94	FAST	-	-	-	Low retention (~25 µm) for multi-stage filtration, organic extractions, and bio-fluid separations. Fast flow rate.
Advantec Filter Papers								
No. 1	6-Coarse	0.20 mm	90	45 s	65%	14.3	9.0 cm	Retains large crystalline particles/gelatinous precipitates. Fast flow rate, smooth surface, normal hardness.
No. 2	5-Medium	0.26 mm	125	80 s	80%	17.3	8.0 cm	Retains medium crystalline precipitates. Fast flow rate, smooth surface, normal hardness.
No. 231	Medium	0.18 mm	95	130 s	-	-	7.5 cm	Retains crystalline precipitates. Moderate flow rate, smooth surface, normal hardness.
No. 232	Med./Med.-Fine	0.18 mm	90	250 s	-	-	5.0 cm	Retains medium to med.-fine particulates. Slow flow rate, smooth surface, normal hardness.
No. 131	3-Med.-Fine	0.25 mm	140	240 s	90%	19.4	6.0 cm	High retention efficiency for fine crystalline precipitates. Slow flow rate, smooth surface, normal hardness.
No. 235	Very Fine	0.17 mm	95	1200 s	-	-	4.0 cm	Highest retention efficiency for extremely fine particulates. Slow flow rate, smooth surface.
No. 101	6-7-Coarse and gelatinous	0.21 mm	80	50 s	-	14.3	8.0 cm	Seed germination, retains large particles.

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