

Cellulose Filter Papers at a glance

Use the charts below to quickly narrow down our range of cellulose filter papers by pore size, or see which grades are equivalent across different brands

[Quantitative Filter Papers](#) - For use where you wish to analyse the filtered substance after ashing in a furnace

Whatman Grade	Camlab Grade	Pore Size (µm)	Application notes	Additional Notes	Machery Nagel	Sartorius	Scleiher and Schuell	Fisherbrand	VWR
No 40	Grade 13	8	Gravimetric analysis, primary filter to separate solid matter in soil analysis, quantitative determination of sediment in milk		MN 640 md	389	589/5	13	474
No 41	Grade 11	20 - 25	The fastest quantitative paper, for coarse particles, gelatinous precipitate, or air pollution analysis		MN 640 w	388	589/1	11	454
No 42	Grade 15	2.5	The finest particle retention, used for barium sulphate precipitation, metastannic acid precipitation, or fine CaCO ₃		MN 640 d	393	589/3		434
No 43	Grade 12	16	Intermediate retention for foodstuffs or soil analysis or particle collection for air pollution monitoring		MN 640 m	389	589/2		
No 44	Grade 14	3	A thin version of No 42, retains fine particles but with less ash weight per sample and nearly 2x flow rate		MN 640 dd	390	589/6		
No 50	Grade 155	2.7	Hardened and slightly glazed surface, for retention of fine crystalline precipitates. Highly suited to vacuum filtration – withstands wet handling and scraping to remove precipitate		-	391	1575		
No 52	Grade 153	7	General purpose hardened filter paper with medium retention and flow		-	392	1574		
No 54	Grade 151	22	Fast filtration of coarse or gelatinous precipitates with high wet strength for vacuum filtration of difficult precipitates.		-	388	1573		
No 540	Grade 53	8	General purpose hardened ashless paper with medium retention and flow. Extremely pure and strong hard surface.		-	392	1506 or 589/2		
No 541	Grade 51	22	Fast filtration of coarse particles and gelatinous precipitates in acid/alkali solutions during gravimetric analysis.		-	388	1505 or 589/1	51	
No 542	Grade 55	2.7	High retention of fine particles. Hard, strong surface with excellent chemical resistance.		-	391	1507	55	
No 589/1	-	12-25	The established standard for coarse precipitate qualitative analysis, e.g. ash content of food, Blaine test in cement		-	-	-		424
No 589/2	-	4-12	Ashless paper for medium-fine precipitates. Used for sand content in foodstuff, flour grades, and aqueous suspensions in the paper industry.		-	-	-		
No 589/3	-	2	Slow filtration with high efficiency in collecting small particles.		-	-	-		

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