Qualitative Filter Papers

- **100% alpha cotton cellulose**
- **pH tolerant:** 0 to 12
- **Thermostable:** up to 120°C
- **Wide selection** – seven types
- **Ash Content:** 0.1%

Applications

- Clarify and remove precipitates
- Preparation for qualitative analysis

Ordering Information

See page 26.

Qualitative filter papers

Characteristics and Applications: Conversions – Qualitative Papers

Grade	Comments	Weight (g/m^2)	Thickness (mm)	Flow Time*1 (sec)	Absorption speed*2 (cm)	Wet Strength*3 (kPa)	Nominal Rating (µm)	Collection Efficiency (%, 0.3 µm DOP)	Conversion*4	
									Whatman	ex-Schleicher & Schuell
No. 1	Retains large crystalline particles and gelatinous precipitates. Fast flow rate, smooth surface, normal hardness	90	0.20	45	9.0	7	6 (Coarse)	65	4	410 or 1450cv
No. 2	Retains medium crystalline precipitates, fast flow rate, smooth surface, normal hardness	125	0.26	80	8.0	8	5 (Medium)	80	-	604
No. 231	Retains crystalline precipitates, moderate flow rate, smooth surface, normal hardness	95	0.18	130	7.5	-	(Medium)	-	2	-
No. 232	Retains medium to medium-fine particulates, slow flow rate, smooth, normal hardness	90	0.18	250	5.0	-	(Med./ Med.-Fine)	-	6	-
No. 131	High retention efficiency for fine crystalline precipitates like barium sulfate, slow flow rate, smooth surface, normal hardness	140	0.25	240	6.0	8	3 (Med.-Fine)	90	3	597
No. 235	Highest retention efficiency, retains very fine particulates, very slow flow rate, smooth	95	0.17	1,200	4.0	-	(Very Fine)	-	5	-
No. 101	Seed germination, retains large particles	80	0.21	50	8.0	34	5 (Coarse and gelatinous)	-	91	-

*1. Flow time is the time in seconds required to filter 100 mL of distilled water at 20°C under pressure supplied by a 10 cm water column through a 10 cm^2 section of filter paper.
*2. Absorption speed is the distance in cm that water will travel in an upright strip of filter paper in ten (10) minutes at 20°C.
*3. Wet strength is the pressure measured by Mullen Burst Strength Tester after soaking in water.
*4. Conversions between manufacturers are not absolute. Use these conversions as a guideline.