

## Filter Papers

### For Qualitative-Technical Analyses

These filter papers are used for routine analyses like clarification, determination of substances, but also as discs with a center hole for technical applications. Grades with a wet burst resistance > 30 kPa are referred to as wet-strengthened and are therefore suitable for pressure or vacuum filtration. They are made of refined pulp and linters with an > 95%  $\alpha$ -cellulose content, are very pure with an ash content between <0.1 to 0.15%. Below you will find an overview of the most commonly used grades.

#### Specifications

| Grade | Surface | Weight (g/m <sup>2</sup> ) | Thickness (mm) | Particle Retention ( $\mu$ m) | Filtration (s) | Wet Burst Resistance (kPa) | Properties   |
|-------|---------|----------------------------|----------------|-------------------------------|----------------|----------------------------|--|
| 3 hw  | Smooth  | 65                         | 0.14           | 8 to 12                       | 20             | 40                         | Medium fast filtering, filter paper for routine work in the lab  |
| 4 b   | Smooth  | 75                         | 0.15           | 8 to 12                       | 22             | > 15                       | Medium fast filtering, filtration of coarse precipitates, wick paper for seed testing                          |
| 603/N | Crêped  | 75                         | 0.25           | > 15                          | 8              | $\geq$ 50                  | Fast filtering, filtration of sugar solutions  |
| 6     | Smooth  | 80                         | 0.17           | 10 to 13                      | 15             | 30                         | Fast filtering, degassing beer before analysis, clarification of spirits                                       |
| 100/N | Smooth  | 85                         | 0.18           | 6 to 8                        | 30             | 80                         | Medium fast filtering, ash content <0.1%, low potassium and sodium content, determination of the sugar content |
| 5 H/N | Crêped  | 85                         | 0.28           | > 40                          | 3              | $\geq$ 40                  | Very fast filtering, wide-pore, filtration of essential oils   |
| 3 S/h | Smooth  | 200                        | 0.36           | 5 to 7                        | 55             | 15                         | Medium fast to slow filtering, narrow-pore, re-wet test for diapers  |

#### Ordering Information

##### Filter Discs

| Dia. in mm | Grade 3 hw (100 Pieces) | Grade 4 b (100 Pieces) | Grade 603/N (100 Pieces) | Grade 6 (100 Pieces) | Grade 100/N (100 Pieces) | Grade 5 H/N (100 Pieces) | Grade 3 S/h (50 Pieces) |
|------------|-------------------------|------------------------|--------------------------|----------------------|--------------------------|--------------------------|-------------------------|
| 55         | FT-3-303-055            | FT-3-309-055           |                          | FT-3-312-055         | FT-3-328-055             |                          | FT-3-307-055            |
| 70         | FT-3-303-070            | FT-3-309-070           |                          | FT-3-312-070         | FT-3-328-070             |                          |                         |
| 90         | FT-3-303-090            | FT-3-309-090           | FT-3-335-090             | FT-3-312-090         | FT-3-328-090             | FT-3-423-090             | FT-3-307-090            |
| 110        | FT-3-303-110            | FT-3-309-110           | FT-3-335-110             | FT-3-312-110         | FT-3-328-110             |                          | FT-3-307-110            |
| 125        | FT-3-303-125            | FT-3-309-125           | FT-3-335-125             | FT-3-312-125         | FT-3-328-125             | FT-3-423-125             | FT-3-307-125            |
| 150        | FT-3-303-150            | FT-3-309-150           | FT-3-335-150             | FT-3-312-150         | FT-3-328-150             | FT-3-423-150             | FT-3-307-150            |
| 185        | FT-3-303-185            | FT-3-309-185           | FT-3-335-185             | FT-3-312-185         | FT-3-328-185             | FT-3-423-185             | FT-3-307-185            |
| 240        | FT-3-303-240            | FT-3-309-240           | FT-3-335-240             | FT-3-312-240         | FT-3-328-240             | FT-3-423-240             | FT-3-307-240            |

##### Folded Filters, 100 Pieces

| Dia. in mm | Grade 3 hw   | Grade 4 b    | Grade 603/N  | Grade 6      | Grade 100/N  | Grade 5 H/N  |
|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 125        | FT-4-303-125 | FT-4-309-125 | FT-4-335-125 | FT-4-312-125 |              | FT-4-423-125 |
| 150        | FT-4-303-150 | FT-4-309-150 | FT-4-335-150 | FT-4-312-150 | FT-4-328-150 | FT-4-423-150 |
| 185        | FT-4-303-185 | FT-4-309-185 | FT-4-335-185 | FT-4-312-185 |              | FT-4-423-185 |
| 240        | FT-4-303-240 | FT-4-309-240 | FT-4-335-240 | FT-4-312-240 | FT-4-328-240 | FT-4-423-240 |
| 270        | FT-4-303-270 | FT-4-309-270 | FT-4-335-270 | FT-4-312-270 | FT-4-328-270 | FT-4-423-270 |
| 320        | FT-4-303-320 | FT-4-309-320 | FT-4-335-320 | FT-4-312-320 | FT-4-328-320 | FT-4-423-320 |

##### Sheets in 580 × 580 mm, 100 Pieces

| Grade 3 hw      | Grade 4 b       | Grade 603/N     | Grade 6         | Grade 100/N     | Grade 5 H/N     |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| FT-2-303-580580 | FT-2-309-580580 | FT-2-335-580580 | FT-2-312-580580 | FT-2-328-580580 | FT-2-423-580580 |

Other dimensions are available on request