

# Specialty Products

Ahlstrom-Munksjö offers specialty products for the scientific industry. Many papers and products were designed alongside the researchers doing test development in order to provide the necessary performance characteristics. Ahlstrom-Munksjö continues to innovate and is open to new challenges and new opportunities from companies that use our analytical filter papers and other products.



## Pleated (Fluted) Filter Paper

Ahlstrom-Munksjö offers a full range of standard pleated grades that meet your needs from grades with rapid flow rates for filtration of viscous materials to grades with tight matrices for removal of fine precipitates. Ahlstrom-Munksjö's pre-pleated grades can save valuable time and maximize the efficiency of the laboratory filter system. Pleating improves the effective surface area increasing flow rate and loading capacity thus decreasing filtration time. Pleated circles are available in 12.5 cm to 50 cm diameters.

### Typical grade properties

Grades	Filter paper base	Retention in $\mu\text{m}$	Filtration Speed Herzberg sec/100mls	Filtration Speed Rapidity mls/min	Loading Capacity
542	642	2	229	30	Medium
550	950	2	491	14	Medium
519	909	3	105	65	Medium
509	609	4	85	80	Medium
513	613	6	114	60	Medium
515	615	25	29	235	High
562	962	27	28	245	High
505	905	28	26	265	Medium
517	617	35	19	360	Very High

### Catalog numbers Pleated (Fluted) Grades (100/box); items with grade numbers in bold are 50/box

\*All circle diameters are in centimeters

Size*	505	509	513	515	517	542	550	519	562
12.5	5050-1250	5090-1250	5130-1250	5150-1250	<b>5170-1250</b>	5420-1250	5500-1250	5190-1250	5620-1250
15.0	5050-1500	5090-1500	5130-1500	5150-1500	<b>5170-1500</b>	5420-1500	5500-1500	5190-1500	5620-1500
18.5	5050-1850	5090-1850	5130-1850	5150-1850	<b>5170-1850</b>	5420-1850	5500-1850	5190-1850	5620-1850
24.0	5050-2400	5090-2400	5130-2400	5150-2400	<b>5170-2400</b>	5420-2400	5500-2400	5190-2400	5620-2400
32.0	5050-3200	5090-3200	5130-3200	5150-3200	<b>5170-3200</b>	5420-3200	5500-3200	5190-3200	5620-3200
38.5	5050-3850	5090-3850	5130-3850	5150-3850	<b>5170-3850</b>	5420-3850	5500-3850	5190-3850	5620-3850

## Beer Testing Filter Paper

Ahlstrom-Munksjö manufactures a full range of laboratory filter paper for use in the beer industry. Grade 642 is recommended for the WORT color test. Grade 515 is a pleated filter used in the SCABA analyzer, while Grade 509, also pleated, is used in the IBU test and in Malt-4 analysis and degassing. Grade 111, a 100% glass microfiber filter is also used in the beer industry to remove yeast cells before analysis (see glass microfiber section).

### Typical grade properties

\*All grades available in custom cut dimension

Grades	Retention in $\mu\text{m}$	Filtration Speed Herzberg sec/100mls	Filtration Speed Rapidity mls/min	Loading Capacity
642	2	229	30	Medium
509	4	85	80	Medium
515	25	29	235	High

## Phase Separation Filter Paper

Grade 480 is a hydrophobic silicone-impregnated paper intended for phase separation.

### Catalog numbers (100 circles/box)

Size*	480
7.0	4800-0700
9.0	4800-0900
11.0	4800-1100
12.5	4800-1250

\*All circle diameters are in centimeters

Size*	480
15.0	4800-1500
18.5	4800-1850
24.0	4800-2400

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### Sugar Testing Filter Paper

Ahlstrom-Munksjö offers a full range of specially designed filter paper for use in the sugar industry. Grade 8613 has a smooth black finish designed for use in applications requiring visual examination of particles. Grade 613 and 615 are particularly well suited for general laboratory filtration methods and qualitative analysis.

#### Typical grade properties

Grades	Retention in $\mu\text{m}$	Filtration Speed Herzberg sec/100mls	Filtration Speed Rapidity ml/min	Wet Burst Inches	Loading Capacity
8613	4	118	58	29	Medium
613	6	114	60	16	Medium
615	25	29	235	18	High
962	27	28	245	126	High
961	40	19	360	70	Very High

#### Catalog numbers Sugar Testing Grades (8613 and 962: 100/pk; 961: 50/pk)

\*All circle diameters are in centimeters. Grade 613 and 615 catalog numbers are shown in the Qualitative Filter Paper section

Size*	8613	962	961
2.4	8613-0240	9620-0240	9610-0240
3.0	8613-0300	9620-0300	9610-0300
4.25	8613-0425	9620-0425	9610-0425
4.7	8613-0470	9620-0470	9610-0470
5.5	8613-0550	9620-0550	9610-0550
7.0	8613-0700	9620-0700	9610-0700
9.0	8613-0900	9620-0900	9610-0900
11.0	8613-1100	9620-1100	9610-1100
12.5	8613-1250	9620-1250	9610-1250
15.0	8613-1500	9620-1500	9610-1500
18.5	8613-1850	9620-1850	9610-1850

### Pulp & Paper Blotting Paper

Ahlstrom-Munksjö Grade 240 and 623 are blotting papers manufactured for use in the pulp and paper industry. Grade 240 is recommended for TAPPI T-205 and T-491 test methods. Grade 623 is also a very popular grade used for long-fiber hand sheet applications. Grade 623 absorbs more water at a faster rate.

#### Typical grade properties

Grades	Base Weight g/m <sup>2</sup>	Total Absorbency g/m <sup>2</sup>	Absorbency Rate Sec/1ml H <sub>2</sub> O
240	249	598	13
623	246	740	5

#### Catalog numbers Pulp and Paper Blotting Grades

\*All sizes are in inches

Size*	240	Shts/ctn
8 x 8	2400-0808	2250
24.5 x 24.5	2400-2424	250

Size*	623	Shts/ctn
8 x 8	6230-0808	2000
12 x 12	6230-1212	800

## pH Papers and Test Strips

Ahlstrom-Munksjö offers a range of test papers for rapid determination of pH and other conditions. Universal pH indicator papers are stocked in a roll of 5 m in a plastic case, a refill pack of 3 reels for that case, and in a box of 200 strips. pH test strips, which have small squares of paper, each prepared with a different indicator, are also available. Please contact customer service for additional details.



### Catalog numbers

	Roll of 5m	Refill pack x3	Box of 200	Test Strip 100 per box
pH 0-14	-	-	-	PHT1-0014
pH 1-14	PHR5-0114	PHR3-0114	PHB2-0114	-

## LabSorb Fluid Barriers

Ahlstrom-Munksjö's LabSorb Fluid Barrier is a super absorbent, pure cellulose paper with an impermeable polyethylene backing that absorbs splatters and spills, and protects work areas from contamination and damage by toxic, infectious, corrosive, radioactive or staining materials. LabSorb's smooth, firm surface does not inhibit stability of bottles or tubes, and allows recovery of dry spills. Liquid samples can be recovered by washing the absorbed spill from the inert surface with the appropriate buffer. Disposal is safe and easy and LabSorb ashes readily upon incineration.

### Catalog numbers

\*50 sheets per pack

Size	Grade 4002
46 cm x 57 cm Sheets*	4002-4657
46 cm x 50 m Roll	4002-4650
92 cm x 50 m Roll	4002-9250

## Microwave Sample Pads

For microwave technology systems, analyzing moisture and fat content in foods. Glass microfiber paper is used to support food product samples when they are dried, as this media will withstand higher temperatures. Ahlstrom-Munksjö grade 161, binder-free glass microfiber paper provides the consistency and precision required for accurate testing by Quality Control Laboratories. Sample Pads are available in sheets and circles.

### Product sizes

Bulk packaging available

Grade	Sizes Available
161	11 x 11 cm Sheets
161	9 cm Circles
161	11 cm Circles

