



INDUSTRIAL FILTRATION

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CHMLAB offers the widest selection of regular and high wet strength grades of filters to meet specific filtration requirements. Using these filter papers, we can create solutions to optimize clarity, flow rate and overall performance. CHMLAB offers plain and embossed grades filter paper as well as non-woven and standard grades for applications where product clarity is a major concern.

Our converting capabilities allow us to offer Taylor-made filter papers following customers' requests in features and formats. They are the best choice for filtration of oils, beverages and galvanic baths.

Paper types

- Plain and embossed filter papers.

These papers are designed to meet specific filtration requirements. The embossed surfaces generally provide a larger filtration area and offer high filtration speeds.

- Creped filter papers

They have larger filtration surfaces resulting in higher filtration velocities. In addition, the larger filtration surfaces offer greater particulate holding capacity compared to plain surface papers.

- Filter boards

These filters are manufactured according specific applications and they can be produced in disc or sheet formats, with one or more holes to use in filter press systems.

- Filter discs from filter paper and filter board

- Non-woven filters

These filters made of rayon and polyester are offered in a wide range of filtration efficiencies and weights. Non-woven media offers a multitude paths for the impingement of target particles offering depth filtration as well as high particle retention capacity in both gas and liquid environments.

Applications:

- Food & beverage
- Pharmaceutical
- Cosmetics
- Chemical
- Microelectronics

Due to the wide variety of paper grades, formats and dimensions, the order number list is very extensive. The following guideline will help you to find the right order number.

I Industrial	▼	XXX
	E Embossed	Basis weight
	P Plain	g/m ²
	C Creped	
	B Filter Boards	
	N Nonwovens	



ORDER INFORMATION

GRADE	BASIS WEIGHT (g/m ²)	THICKNESS (mm)	TYPICAL RETENTION (µm)	FILTRATION SPEED (s/10 ml)	PROPERTIES
Filter papers, plain and embossed					
IE078	78	0.17	10-15	18	Fast. Embossed
IE090	90	0.25	7-10	30	Medium fast. Embossed
IP095	95	0.20	7	17	Medium fast. Plain
IP100	100	0.22	7	25	Medium fast. Plain
IP115	115	0.24	6-7	17	Medium fast. Plain
IP135	135	0.31	7-10	30	Medium fast. Plain
IP150	150	0.32	3-4		Medium fast. Plain
IP160	160	0.30	5	40	Medium fast. Plain
IP190	190	0.40	7	31	Medium fast. Plain

TYPICAL APPLICATIONS	
IE078	Embossed filter paper, excellently suited for salted solutions and sugar juice
IE090	Absorption, protection
IP095	Essential oil, emulsions, essences, tinctures
IP100	Juices, essences, hair tonics, musts, wine, vegetal extracts
IP115	Technical filtration, galvanic baths
IP135	Absorption, protection
IP150	Absorption, substrate
IP160	Filtration of large amounts of liquids with fine-flaked precipitates, hair tonic, spirits
IP190	Filtration of large amounts of liquids, especially for mild acids and hot alkaline solutions

ORDER INFORMATION				
GRADE	BASIS WEIGHT (g/m ²)	THICKNESS (mm)	FILTRATION SPEED (s/10ml)	DIFFERENTIAL PRESSURE (mbar)
Creped filter papers				
IC06A	60	0.18	4	1.5
IC06B	60	0.23	15	6.0
IC07A	70	0.29	15	7.5
IC07B	70	0.22	5	2.5
IC075	75	0.28	14	6.5
IC08A	80	0.28	10	5.5
IC08B	80	0.33	14	8.0
IC085	85	0.28	3	1.0
IC09A	90	0.35	4	1.5
IC09B	90	0.38	13	6.5
IC09C	90	0.35	10	5.5
IC095	95	0.28	7	3.0
IC135	135	0.50	5	1.9
IC140	140	0.58	15	8.0
IC145	145	0.55	12	7.0
IC160	160	0.65	13	5.5
IC180	180	0.69	5	2.0
IC240	240	0.83	5	2.0
IC300	300	0.95	5	2.0
TYPICAL APPLICATIONS				
IC06A	For strong contamination, protective paper for filter presses			
IC06, IC07A, IC08B, IC09B, IC160	Juices, edible oils, colloidal liquids, wine, hair tonics			
IC07B	Universal paper for quick clarification			
IC075	Edible oils, protective paper for filter presses, sugar industry			
IC08A	Galvanic baths			
IC09A	Technical oils, emulsions like agar-agar			
IC09C	Clarification of galvanic baths			

ORDER INFORMATION				
GRADE	BASIS WEIGHT (g/m ²)	THICKNESS (mm)	CAPILLARY RISE (mm/10 min)	DIFFERENTIAL PRESSURE (mbar)
Filter boards				
IB220	220	0.45	85	25
IB25A	250	0.48	100	25
IB25B	250	0.55	180	3.5
IB275	275	0.58	105	9.3
IB280	280	0.60	100	9.5
IB300	300	0.55	100	25.0
IB315	315	0.60	60	42.0
IB340	340	1.00	150	2.0

GRADE	BASIS WEIGHT (g/m ²)	THICKNESS (mm)	CAPILLARY RISE (mm/10 min)	DIFFERENTIAL PRESSURE (mbar)
Filter boards				
IB350	350	0.63	110	25.0
IB360	360	0.90	175	5.5
IB380	380	1.00	200	2.5
IB400	400	0.95	170	8.0
IB420	420	1.30	210	1.3
IB430	430	1.00	150	8.0
IB450	450	0.95	110	25.0
IB490	490	1.25	165	7.5
IB475	475	1.10	120	25.0
IB520	520	1.60	200	2.5
IB600	600	1.60	165	3.5
IB700	700	1.80	150	8.0
TYPICAL APPLICATIONS				
IB220	Galvanic baths			
IB25A	Galvanic baths, transformer oils			
IB25B	Technical oils, paraffin, edible oils			
IB275	Filter press applications			
IB280	Filter press applications			
IB300	Galvanic baths, transformer oils			
IB315	Raw paper for Bowie-Dick-test indicator sheets, sterilization control			
IB340	Galvanic baths, hydrocarbons			
IB350	Technical oils, transformer oils, galvanic baths			
IB360	Filter press applications			
IB380	Oils, lacquers, transformer oils			
IB400	Turbine oils, transformer oils, engine oils			
IB420	Basis paper for pads			
IB430	Oils, paraffin, transformer oils, resinous solutions			
IB450	Galvanic baths, transformer oils			
IB490	Galvanic baths, process water filtration, activated carbon retention			
IB475	Essential oils, galvanic, use in filter presses			
IB520	Galvanic baths			
IB600	Filter press applications, galvanic baths, edible oils and essential oils			
IB700	Edible oils, essential oils, fine turbidities			
TYPICAL DIAMETERS				
CIRCLES WITH CENTRAL HOLE				
SIZE (mm) (disc Ø / central hole Ø)	SIZE (mm) (disc Ø / central hole Ø)	SIZE (mm) (disc Ø / central hole Ø)	SIZE (mm) (disc Ø / central hole Ø)	SIZE (mm) (disc Ø / central hole Ø)
75/5	248/5	450/5		
136/32	250/183	455/41		
148/45	260/40	456/100		
145/43	270/50	460/100		
160/40	270/60	465/40		
165/50	280/50	467/41		
180/33	295/40	470/60		
200/65	295/60	485/60		
202/60	300/40	485/70		
205/33	302/102	505/55		
210/32	305/102	510/95		
210/33	312/128	600/68		
210/60	350/41	603/68		
213/60	350/135	845/76		
215/32	360/100	850/76		
240/32	412/175	910/75		