

Wet Strength Filter Papers

For Food and Industrial Liquids Processing



High-grade filter papers are indispensable for routine work in laboratory and industrial applications.

Great Wall can supply you with a broad range of filter papers for myriad filtration tasks and support you in solving all your filtration challenges.

Industrial Filter Papers Introduction

Great Wall industrial filter papers are versatile, strong, and cost-effective. 7 types are available classified by strength, thickness, retentivity, creping, and holding capacity. Suitable grades for many industries are available in creped and smooth surfaces and consisting of 100% cellulose or with an incorporated resin to increase wet strength.

Wet Strength Filter Papers

Great Wall provides a range of wet-strengthening qualitative filter papers containing a small amount of chemically stable resin to improve high wet-strength. Recommended for the purification and regeneration of electroplating baths. This kind of paper with high wet strength and has a large range of interception accuracy. Also used as a protective paper in filter presses.

Applications

Great Wall filter paper includes grades suitable for general coarse filtration, fine filtration, and retention of specified particle sizes during the clarification of various liquids. We also offer grades that are used as a septum to hold filter aids in a plate and frame filter presses or other filtration configurations, to remove low levels of particulate, and many other applications.

Such as: production of alcoholic, soft drink, and fruit juice beverages, food processing of syrups, cooking oils, and shortenings, metal finishing and other chemical processes, refinement and separation of petroleum oils and waxes.

Please refer to the application guide for additional information.

Features

- For special applications requiring high wet strength.
- For high pressure filtration or filter press, used to perform filtration on a variety of liquids.
- Highest particle retention of industrial filter papers.
- Wet-strengthened.

Technical Specifications

Grade	Mass per Unit Area (g/m ²)	Thickness (mm)	Flow Time(s) (6ml) ^①	Dry Bursting Strength (kPa≥)	Wet Bursting Strength (kPa≥)	Color
WS80K	80-85	0.2-0.25	5"-15"	100	50	white
WS80	80-85	0.18-0.21	35"-45"	150	40	white
WS190	185-195	0.5-0.65	4"-10"	180	60	white
WS270	265-275	0.65-0.7	10"-45"	550	250	white
WS270M	265-275	0.65-0.7	60"-80"	550	250	white
WS300	290-310	0.75-0.85	7"-15"	500	160	white
WS370	360-375	0.9-1.05	20"-50"	650	250	white
WS370K	365-375	0.9-1.05	10"-20"	600	200	white
WS370M	360-375	0.9-1.05	60"-80"	650	250	white

*^① The time it takes for 6ml of distilled water to pass through 100cm² of filter paper at temperature around 25°C.

Material

- Cleaned and bleached cellulose
- Cationic wet strength agent

Forms of supply

Supplied in rolls, sheets, discs and folded filters as well as customer-specific cuts. All these conversions can be done with our own specific equipment. Please contact us for more information.

- Paper rolls of various widths and lengths.
- Filter circles with centre hole.
- Large sheets with exactly positioned holes.
- Specific shapes with a flute or with pleats.

Quality assurance

Great Wall pays particular attention to continuous in-process quality control. Additionally, regular checks and exact analyses of raw material and of each individual finished product assure constant high quality and product uniformity. The paper mill meets the requirements set by the ISO 9001 quality management system and the ISO 14001 environmental management system.



Dedicated & Experienced in Filtration Industry

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