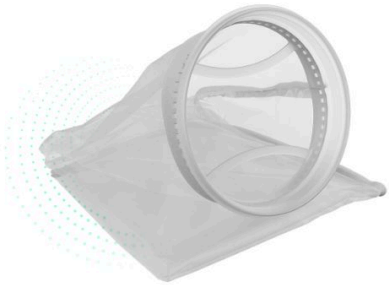
LIQUID BAG FILTERS

Nylon Bag Filter (Monofilament Polyamide)

Surface filter bag woven from 100% nylon-6 monofilament yarn with fixed square pores. With a 20–1,000 µm range, high abrasion resistance and a washable construction, it is used on water, paint, metalworking and chemical process lines carrying abrasive particles.



PRECISION	MAX. TEMPERATURE	CHEMICAL RESISTANCE	USE
20–1,000 µm	**100 °C**	**pH 2–11**	**Washable**
Fixed square pores	212 °F	Not for strong mineral acids	Reusable

Technical specifications

Filter medium	100% monofilament nylon-6 (polyamide-6) woven filter fabric
Micron ratings	20 · 25 · 30 · 50 · 75 · 100 · 150 · 200 · 300 · 500 · 750 · 1,000 µm
Filtration type	Surface filtration · inside-out flow
Yarn structure	Single-yarn (monofilament) weave; fixed square pores
Diameter / length	Ø 100–180 mm · 230–810 mm
Max. operating temperature	100 °C (212 °F)
Recommended change-out ΔP	2–2.5 bar (wash first; replace if pressure does not drop)
pH range	2–11; not suitable for strong mineral acids (pH < 2)
Surface finish	Woven; no surface treatment applied
Seam construction	Ultrasonically welded · Three-needle, five-thread industrial stitching
Collar types	PP ring · Steel ring (snap ring) · Drawstring
Specific gravity	1.14 g/cm³
Food compatibility	Raw material suitable for food contact; consult our technical team for documents
Reuse	Washable and reusable

Standard bag sizes

SIZE (MM)	DESCRIPTION	AREA (M²)
180 × 430	Large diameter · short length	~0.25
180 × 810	Large diameter · long length (most common)	~0.50
100 × 230	Small diameter · short length	~0.08
100 × 380	Small diameter · long length	~0.14

Area values are approximate and vary with bag length and weld/seam allowance. Custom production to sample for older or imported housings.

Micron options

MICRON	TYPICAL APPLICATION
20–30 µm	Fine filtration; final stage for beverages and paint, chemical processes
50–100 µm	Coarse filtration; water treatment, cooling water, metalworking fluids
150–200 µm	Pre-filtration with low pressure loss and high flow
300–500 µm	Very coarse; aggregate and granule separation
750–1,000 µm	Special coarse separation; industrial wash water

Collar options

PP ring
Stitched or welded polypropylene ring; for lines where chemical resistance matters.

Steel ring (snap ring)
Galvanised or stainless steel ring; the most widely used, economical standard collar.

Drawstring
Tied by hand to a pipe outlet or special hanger with the drawstring.

Use and maintenance

- Make sure the process temperature does not exceed 100 °C; above this nylon softens and the pore geometry breaks down.
- When ΔP reaches 2–2.5 bar, wash the bag first; if the pressure does not drop, replace it.
- Avoid excessive mechanical pressure during washing; check pore integrity visually before reuse.
- If the rating is uncertain, start with 30–50 µm; below 20 µm, and for gelatinous or semi-solid particles, use a felt bag or cartridge filter.
- If you are not sure of the collar type, send a photo or sample of your current bag; an exact replica will be made.

Values in this data sheet are typical and for information only. Product selection should be made with our engineers based on process fluid, temperature, pressure and flow conditions. Proses T.İ.M. reserves the right to change product specifications without prior notice.

PROSES T.İ.M.®
Proses Ticaret İmalat Mühendislik Ltd. Şti.
Musa Gündüz Cad. No:14 Taşköprü, Çiftlikköy / Yalova, Türkiye

+90 226 353 35 70 · Head office
sales@prosestim.com
prosestim.com/en

Product page