



TRISEP® UB50

PES Ultrafiltration Membrane

TRISEP® UB50 membrane is a polyethersulfone (PES) ultrafiltration membrane with a nominal pore size of 0.03 micron. UB50 membrane sheet is available in both dry and wet flat sheet rolls and is FDA compliant.

MEMBRANE CHARACTERISTICS

Membrane Chemistry	Backing Material	Nominal Pore Size (µm)
Polyethersulfone (PES)	Non-Woven Polyester	0.03

Permeability LMH/bar (GFD/psi) ^a	Thickness (µm)	pH Range	Chlorine Tolerance ^b
≥ 1010 (≥ 41.0)	160 - 200	1.0 - 12.0	1,000 ppm at pH ≥ 10.5

^a Test conditions: Clean water, 0.2 bar (3 psi), 25°C (77°F), 15% recovery, pH 8.0. Membrane specifications may change without notice as design revisions occur.

^b Tolerance listed for periodic, short-term cleanings in wastewater applications.

IMPORTANT INFORMATION

Standard Sizes: TRISEP flat sheet membrane is available in a sample size of 305 mm x 1,016 mm (12 in x 40 in) and in a nominal roll size of 305 m x 1,016 mm (1,000 ft x 40 in). Custom lengths may be available on request.

Initial Flush: MANN+HUMMEL Water & Fluid Solutions recommends flushing membrane for 30 minutes and discarding permeate during the flush prior to operation.

Storage: Membrane is shipped dry unless wet membrane is specifically requested. Membrane shipped dry should be stored in a cool, dry place. If shipped wet, TRISEP membrane must remain sealed and refrigerated prior to use. Please see Membrane Storage Guide – Flat Sheet Membrane (TSG-O-011).

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