



TRISEP® UF5

PES Ultrafiltration Membrane

With a nominal molecular weight cut-off (MWCO) of 5,000 Daltons, TRISEP® UF5 is a polyethersulfone (PES) membrane that is suited for process separations, particularly applications involving protein concentration to high solids levels. In these applications, a tighter ultrafiltration membrane is often used to maximize product yield. UF5 membrane sheet is available in both dry and wet flat sheet rolls and is FDA compliant.

MEMBRANE CHARACTERISTICS

Membrane Chemistry	Backing Material	Nominal M.W.C.O. (Da)
Polyethersulfone (PES)	Non-Woven Polyester	5,000

Permeability LMH/bar (GFD/psi) ^a	Thickness (µm)	pH Range	Chlorine Tolerance ^b
≥ 12.3 (≥ 0.5)	160 - 200	1.0 - 12.0	200 ppm (sanitization) at pH ≥ 10.5

^a Test conditions: Clean water, 1.4 bar (20 psi), 25°C (77°F), 15% recovery, pH 8.0. Membrane specifications may change without notice as design revisions occur.
^b For daily short term cleaning: maximum 50°C (122°F), 30 min.

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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