



# TRISEP® UE50

## PES Ultrafiltration Membrane

TRISEP® UE50 membrane is a polyethersulfone (PES) ultrafiltration membrane with a nominal molecular weight cut-off (M.W.C.O.) of 100,000 Daltons. UE50 membrane is commonly used in the removal of macromolecules or concentration of large organic solutes in both water and process applications. UE50 membrane sheet is available in 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	100,000

Permeability LMH/bar (GFD/psi) <sup>a</sup>	Thickness (µm)	pH Range	Chlorine Tolerance <sup>b</sup>
≥ 295 (≥ 12.0)	160 - 200	1.0 - 12.0	200 ppm (sanitization) at pH ≥ 10.5

<sup>a</sup> 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.  
<sup>b</sup> 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:** Wet TRISEP membrane must remain sealed and refrigerated prior to use. Please see Membrane Storage Guide - Flat Sheet Membrane (TSG-O-011).

## Contact

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