

# NADIR NP030 P

## “Nanofiltration” Membrane

NADIR NP030 is a polyethersulfone (PES) membrane that exhibits nanofiltration characteristics when exposed to high pressure. Its stabilized molecular weight cut-off is in the range of 500-600 Daltons after operation at 40 bar (580 psi). NP030 membrane is durable enough to be used in concentrated acid environments and caustic recovery systems with a pH range of 0 - 14. NP030 membrane sheet is available in dry flat sheet rolls and is FDA compliant.

### MEMBRANE CHARACTERISTICS

Membrane Chemistry	Polyethersulfone (PES)
Backing Material	Polypropylene
Na <sub>2</sub> SO <sub>4</sub> Rejection Bounds (%) <sup>a</sup>	80 - 95
Permeability LMH/bar (GFD/psi) <sup>b</sup>	≥ 1 (≥ 0.04)
Thickness (μm)	210 - 250
pH Range	0.0 - 14.0

a) Test conditions: 5,000 ppm Na<sub>2</sub>SO<sub>4</sub>, 40 bar (580 psi), 20°C (68°F). Membrane specifications may change without notice as design revisions occur.

b) Test conditions: Clean water, 40 bar (580 psi), 20°C (68°F).

### IMPORTANT INFORMATION

**Standard Sizes:** NADIR flat sheet membrane is available in a sample size of 200 mm x 300 mm (7.87 in x 11.81 in) and in a nominal roll size of 150 m x 1016 mm (492 ft x 40.0 in). Custom lengths may be available on request.

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

**Storage:** Membrane shipped dry should be stored away from direct sunlight in a cool, dry place. Please see Membrane Storage Guide - Flat Sheet Membrane (TSG-O-011).

## Contact

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