



NADIR® MP005 P

Microfiltration Membrane

NADIR® MP005 is a polyethersulfone (PES) microfiltration membrane with a pore size of 0.05 micron. This high-flux membrane is often used to remove macromolecules and concentrate large organic solutes. MP005 membrane sheet is available in dry flat sheet rolls and is FDA compliant.

Membrane Characteristics

Membrane Chemistry	Backing Material	Nominal Pore Size (µm)
Polyethersulfone (PES)	Polypropylene	0.05

Permeability LMH/bar (GFD/psi) ^a	Thickness (µm)	pH Range
≥ 285 (≥ 11.6)	210 – 250	0.0 – 14.0

^a Test conditions: Clean water, 2 bar (29 psi), 20°C (68°F), crossflow operation. Membrane specifications may change without notice as design revisions occur.

Important Information

Standard Sizes: NADIR flat sheet membrane is available in an A4 sample size of 210 mm x 297 mm (8.27 in x 11.69 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: MICRODYN-NADIR 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).

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