



PolyCera[®] Titan 70 Ultrafiltration Flat Sheet Membrane Specifications

Membrane Material	PolyCera Titan
Support Non-woven material	Polypropylene
DI Water Permeability* (lmh/bar)	≥ 180
MWCO (Dalton)	70,000
Nominal Pore Size (nm)	5
Membrane thickness (mm)	0.24
Max Operating Temp (°C)	5 – 70
Max cleaning temperature** (°C)	85 at 2.0 < pH < 10.0 45 at pH > 10.0
Operating pH range	1.0 – 13.5 @ T ≤ 45°C 1.0 – 10.0 @ 45°C < T ≤ 70°C
Free chlorine (mg/l) continuous/instantaneous/total	≤ 2/50/100,000
Maximum free oil tolerance (mg/l)	≤ 500
Ozone/peroxide	Not compatible

*Testing condition: 18mΩ deionized water, pH 7, 25 °C, 1.3 bar

**Cleaning duration of 30 minutes

Note: Prior to use, soak dry membrane for 24 hours with portable water, replace the soaking water every 12 hours.

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