

# PolyCera® Hydro 100 Ultrafiltration Flat Sheet Membrane Specifications

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Membrane Material	PolyCera Hydro
Support Non-woven material	Polypropylene
DI Water Permeability* (lmh/bar)	≥450
MWCO (Dalton)	100,000
Nominal Pore Size (nm)	20
Membrane thickness (mm)	0.24
Max Operating Temp (°C)	5 – 50
Max cleaning temperature** (°C)	70 at 2.0 < pH < 10.0 50 at pH ≤ 13.5
Operating pH range	1.0 – 12.0
Free chlorine (mg/l) continuous/instantaneous	≤ 2/100
Total chlorine exposure (ppm.hr)	≤ 300,000
Maximum free oil tolerance (mg/l)	≤ 5
Ozone/peroxide	None

\*18mΩ deionized water, pH 7, 20 °C, 1.3 bar

\*\*Cleaning duration of 30 minutes

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

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