



# PolyCera<sup>®</sup> 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)	≥ 400
MWCO (Dalton)	100,000
Nominal Pore Size (nm)	20
Membrane Thickness (mm)	0.24
Max Operating Temp (°C)	5 – 50
Max Cleaning Temperature** (°C)	85 at 2.0 < pH < 10.0 45 at pH > 10.0
Operating pH Range	1.0 – 12.0 @ T ≤ 45°C 1.0 – 10.0 @ 45°C < T ≤ 85°C
Free Chlorine (mg/l) Continuous/Instantaneous/Total	≤ 2/100/300,000
Maximum Free Oil Tolerance (mg/l)	≤ 5
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.

## PolyCera, Inc.

721 S Glasgow Ave., Unit D, Los Angeles, CA 90301

+1 424.331.7700 | [info@polyceramembranes.com](mailto:info@polyceramembranes.com)

[polyceramembranes.com](http://polyceramembranes.com)