

# UNISOL AMS S-3012 Membrane

## Nanofiltration Flat Sheet Membrane

### Solvent Stable

<b>Description</b>	The AMS NanoPro™ membrane is developed for long-term performance with high and stable fluxes in presence of solvents, featuring high pressure and temperature compatibility. Typical solvents include:	
	<ul style="list-style-type: none"> <li>● Methanol, Ethanol, Propanol</li> <li>● Acetone, Acetonitrile</li> </ul>	<ul style="list-style-type: none"> <li>● Hexane</li> <li>● Ethyl acetate</li> <li>● THF</li> <li>● DMF</li> </ul>
<b>Specification</b>	Membrane type	S-3012
	Membrane material	Patented composite film
	MgSO <sub>4</sub> Rejection <sup>(1)</sup>	≥ 96%
	Water flux of membrane <sup>(2)</sup>	85 liter/m <sup>2</sup> /hour (50 gal/ft/day)
	Thickness	200-220μm
<b>Limits</b>	Max. Temperature	5 - 60 °C (41 - 140 °F)
	pH Range	2 – 12
<b>Storage condition</b>	Proper Temperature	5-15 °C (41-59°F)
<b>Notice</b>	<p>Membrane roll should be stored in accordance with above condition without any damage until it is used.</p> <p>UNISOL flat sheet membranes are available in custom sizes upon request. UNISOL recommends the flushing of the membrane for 30 minutes, while discharging the permeate during flushing.</p> <p><b>Please refer to more details from AMS Membrane Flat sheet Guidelines.</b></p>	

<sup>(1)</sup> Test condition: 2000ppm MgSO<sub>4</sub> solution, pressure 40 bar (580 psi), temperature 30 °C (86 °F).

<sup>(2)</sup> Test condition: Pure water, pressure 40 bar (580 psi), temperature 30 °C (86 °F).

<sup>(3)</sup> For the purpose of improvement, specifications may be updated periodically.