

# UNISOL AMS A-3011 Membrane

## Nanofiltration Flat Sheet Membrane

### Acid Stable

<b>Description</b>	The AMS NanoPro™ membrane is developed for long-term performance with high and stable fluxes in very acidic environment, featuring high pressure and temperature compatibility, used for acid purification and metals concentration in low pH streams. Typical solutions include: <ul style="list-style-type: none"> <li>• 20% H<sub>2</sub>SO<sub>4</sub></li> <li>• 20% HCl</li> <li>• 4% HNO<sub>3</sub></li> <li>• 30% H<sub>3</sub>PO<sub>4</sub></li> <li>• 15% CH<sub>3</sub>COOH</li> </ul>	
<b>Specification</b>	Membrane type	A-3011
	Membrane material	Patented composite film
	MgSO <sub>4</sub> Rejection <sup>(1)</sup>	≥ 98%
	Water flux of membrane <sup>(2)</sup>	65 liter/m <sup>2</sup> /hour (38 gal/ft/day)
	Thickness	200-220μm
<b>Limits</b>	Max. Temperature	5 - 80 °C (41 - 176 °F)
	pH Range	0 – 12
<b>Storage condition</b>	Proper Temperature	5-15 °C (41-59°F)
<b>Notice</b>	Membrane roll should be stored in accordance with above condition without any damage until it is used. 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. <b>Please refer to more details from AMS Membrane Flat sheet Guidelines.</b>	

<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.