

## Ammonia Water Barrier Property of “Soarnol™”

Ammonia water barrier property of “Soarnol™” is shown in the following.

### (1) Test Method

- Procedure: 1) Infuse a pouch with 100ml of 25% Ammonia water  
or distilled water(as reference)
- 2) Measure weight decrease with time at the condition of  
20deg C,65%RH

Sample: Pouch made of monolayer or multilayer film consisting of Soarnol  
(Surface area:433cm<sup>2</sup>)

Film	Thickness (μm)
Monolayer film (Soarnol 32mol%)	30
Monolayer film (Soarnol 44mol%)	30
PP/Soarnol 32mol%/PP	30 / 40 / 30

### (2) Result

Sample	Permeability (g 100μm / m <sup>2</sup> day)	
	Ammonia water	distilled water(ref.)
Soarnol 32mol%- <b>Monolayer</b> Pouch	20	25
Soarnol 44mol%- <b>Monolayer</b> Pouch	3.0	2.4
Soarnol 32mol%- <b>Multilayer</b> Pouch	2.4	0.4