

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:433cm²)

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 ² day)	
	Ammonia water	distilled water(ref.)
Soarnol 32mol%- Monolayer Pouch	20	25
Soarnol 44mol%- Monolayer Pouch	3.0	2.4
Soarnol 32mol%- Multilayer Pouch	2.4	0.4