



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 (μ m)
Monolayer film (Soarnol 32mol%)	30
Monolayer film (Soarnol 44mol%)	30
PP/Soarnol32mol%/PP	30 / 40 / 30

(2) Result

Sample	Permeability (g 100 μ m / 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

Data Prepared : 1 Sep. 2003

