



## 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)

Measure weight decreace 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 / m²day) |                       |
|---------------------------------|--------------------------------|-----------------------|
|                                 | 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                   |

1/1

Revised Date: 1 Jul. 2022

MITSUBISHI CHEMICAL CORPORATION

Soarnol Dept. Polymers Division, Polymers & Compounds/MMA Business Group 1-1, Marunouchi 1-Chome, Chiyoda-Ku, Tokyo 100-8251, Japan TEL +81-3-6748-7803 FAX +81-3-3286-1239

The information and data contained in this sheet are as of July 2022.

<sup>•</sup> The content of this sheet may be changed without prior notice.

<sup>•</sup> Due to printing characteristics, the color tones may differ from the actual ones.

<sup>•</sup> The transcription of any data or information contained in this sheet without prior written consent is strictly prohibited.