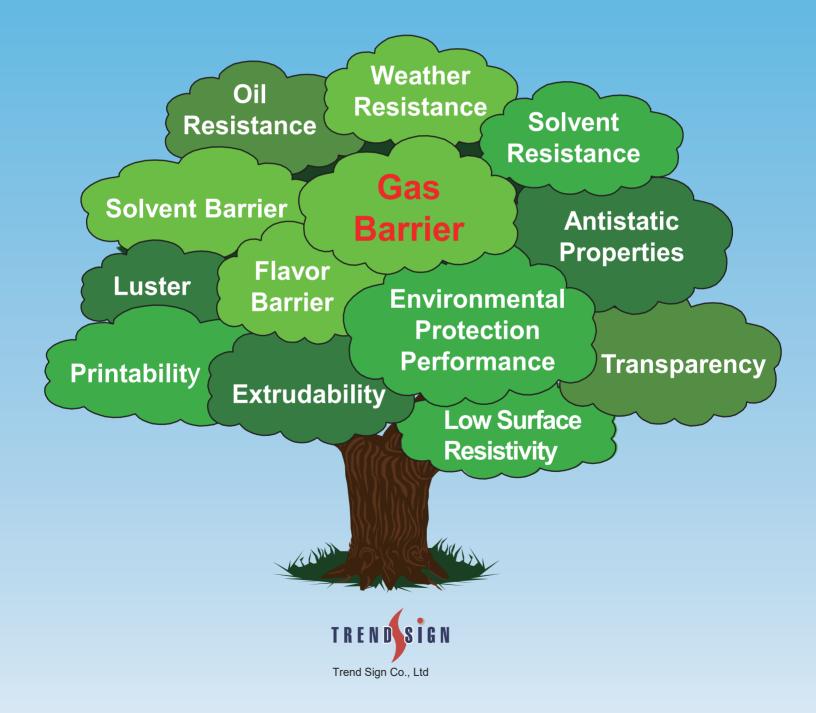
# GAS/OXYGEN BARRIER BAG and TUBE



## **Product Overview**

This product is a 5-layer film formed by extruding three types of plastics with the 5-layer extrusion die of a blown forming machine. Ethylene Vinyl Alcohol Copolymer (EVOH) is used for the middle layer and Polyethylene (PE) for the surface layer to maintain formability while improving the gas barrier properties. The production equipment is a large blown forming machine, and the manufactured tube is used for heavy-duty pouches.





#### EVOH

The gas barrier properties are obtained from the characteristics of Ethylene Vinyl Alcohol Copolymer (EVOH) present in the middle layer.

\* Soarnol<sup>™</sup> of Mitsubishi Chemical Corporation is used to manufacture the products of our company.

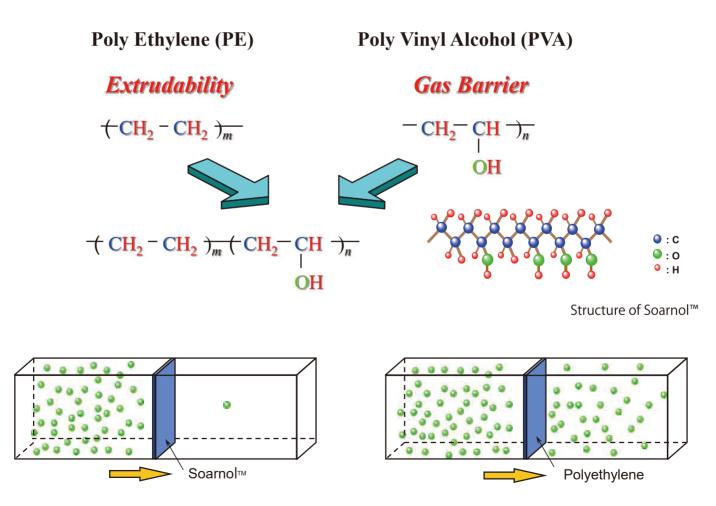
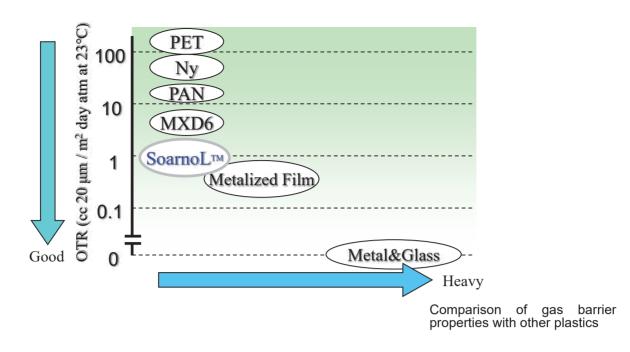
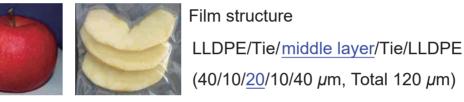


Image of gas barrier properties of Soarnol





23°C, 50%RH



Test for gas barrier properties for apple

# Product and Size 5-layer tube Width: 440 mm to 820 mm Length: 3000 m Thickness 70/80/90/100 μm Inner package or kraft paper bag + inner package Length 500 mm to 1500 mm Thickness 70/80/90/100 μm

\* We provide original printing (printing with three colors for width

up to 650 mm, and one color for width above 650 mm)

After 8 days

\* We can manufacture kraft paper bags up to 3 layers

#### Features

- Cuts off the atmosphere and suppresses intrusion of oxygen (oxidation) into the container.
- Does not allow odors from the container to escape into the atmosphere.
- Recycling or disposal is simple as only plastic materials are used in production.
- Retains freshness of items in the container for a longer period, extending the storage duration.
- Prevents mold, dampness and pests.
- High performance at low cost.
- Storing items at room temperature is possible as the product is effective in preventing oxidation.
- Prevent "Powder explosion"

### **Applications**

- Transportation and storage of milk powder and whole milk powder

- Transportation and storage of pasture seeds, corn, soybean and rice seeds
- Transportation and storage of items with odor such as garlic
- For perfumes, raw materials for perfumes, spices, dry tobacco and vanilla
- For fish meal, dried shrimp, feed and fertilizers
- For chemicals and powders that are affected by oxidation
- For items that require isolation from the atmosphere or leakage prevention of internal contents

#### **Quality Control and Track Record**

Production and quality control are implemented in a ISO90002 certified factory

Our company has a proven track record with products that have been used over many years for food products, perfume raw materials, chemicals and seeds.

Production lot number is printed by Ink Jet printer.





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