

THE WORLD LEADING SUPPLIER OF CAP – SEAL LINING MATERIALS



1970

Established on April 1, 1970

- Production of inner seal for coffee sealant
- Deals with domestic pharmaceutical and food companies (market share exceeds 90%).
 - Supplied to Nestle Korea and Dongsuh Foods.
 - Pharmaceutical companies such as Yuhan-Cyanamide, Ildong Pharmaceutical, etc.

2003

New product group added

2013

Corporate conversion

2015

ISO 9001 certification

- ISO 9001:2015 certification
- Creation of an R&D department

2016

ISO 14001 certification

ISO 14001:2015 certification

2017

Factory relocation

Place of business relocated to Paju City

2018

Recognized as a Clean Factory by the Korea Occupational Safety and Health Agency

About Sung Won Industry Co. Ltd.

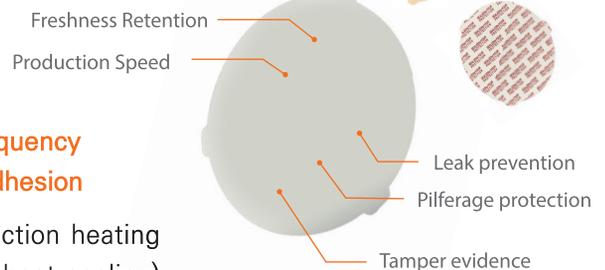


Founded on April 1, 1970, Sung Won Industry is the first manufacturer of inner seal for sealing coffee (cap seal lining material).

Before that, inner seal had been mostly imported from abroad, so many Korean manufacturers of food, drinks and medicine started purchasing in our products. This became the turning point for the localization of special packaging for sealing. The packaging business undergoes rapid changes that reflect the overall modernization trend in the industry. Our products are applied in a wide range of food and industrial packaging, including packaging for food, beverages, medicines, engine oils, pesticides and etc. We develop products that meet the safety and quality expectations of our customers by providing reliable protection of the contents (removal of hazards), preventing rancidification and counterfeiting (using holograms).

All our products are certified by FDA, EU and ISO. We strongly adhere to the spirit of our company which includes the principles of high quality, service, fair prices and trading order.

Technology



Principle of High Frequency Induction Heating Adhesion

High frequency induction heating adhesion (induction heat sealing) principle: The conductor located in the coil of a high frequency machine (induction seal header / sealing bar) is placed close to the aluminum foil inside the induction seal liner, and induced (eddy) current flows through, and exothermic reaction from the induced (eddy) current and hysteresis loss quickly heat up and melt the adhesive film layer (sealant layer) and adhere to the container.

Sealing effect

High-frequency sealing prevents leaks as well as contamination by external substances, increasing the shelf life of the products and allowing consumers to check whether they have been opened or not, thus making the products more reliable and safe.

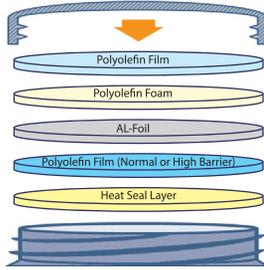


SUNG WON IND.
Cap, Seal & Induction Seal Manufacturer

1pc Induction Seal Liner

This integrated induction seal with high frequency induction heating melts the thermal adhesive layer and bonds it to the container. Thermal bonding provides a reliable protection against oxygen or moisture ingress for contents such as dairy products, beverages, medicines, sauces, spices and many others, and preserves their properties for a long time.

Product Composition



Layer composition may vary depending on the type of the container and its contents

Advantages

- Conservation and hermetic sealing
- Easy Peel and Weld types available

Applications

Provides sealing for a wide range of products including foods, oil (Edible, Lubricant), sauces, health food, powdered dry food, beverages, dairy products, pharmaceutical products and cosmetics and ETC.

Types of containers

PET, PVC, PE, PP, PS, Glass, Paper cup and ETC.

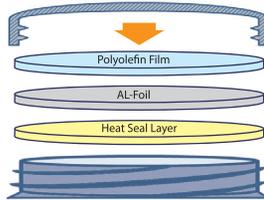


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Conduction Seal Liner

All layers are composed of only polyolefin film and sealant layer for environment protection and recycling, and further aluminum layer can be constructed according to product characteristics. Used for plastic (PET, PE, PP, PS, etc.), Trays (square or circular), paper cups and bottles. Consumers can see the contents and check them for freshness / contamination.

Product Composition



Layer composition may vary depending on the type of the container and its contents

Advantages

- Easy to check the contents for freshness and contamination
- Ensures preservation and hermetic sealing

Applications

Fresh foods (tofu, salads, vegetables, sandwiches, yogurt, etc.), instant food packaging for small businesses

Types of containers

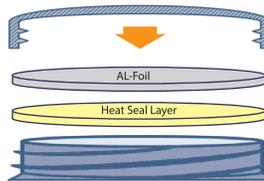
PET, PP, PS, PE, Tray (square tray), beverage cups (plastic cups, paper cups, etc.)



Foil Seal Liner

Layers are composed of aluminum and sealant layers. Cheaper than 1pc, 2pc liner products. Depending on the characteristics of the contents, Normal Barrier layer (ordinary barrier film) and High Barrier layers (high barrier film) can be added. Ensures hermetic sealing for reliable and long-term preservation of the contents.

Product Composition



Layer composition may vary depending on the type of the container and its contents

Advantages

- Cheaper than 1pc induction seal
- Protects the contents from moisture and contamination

Applications

PET, HDPE, PP, PS, Glass and ETC.

Types of containers

PET, HDPE, PP, PS, Glass and ETC.

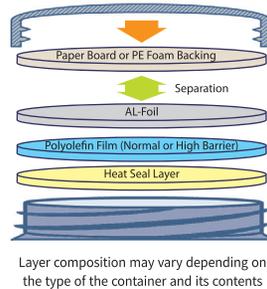


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2pc Induction Seal Liner

Ensures maximum sealing composed of two parts which inserted inside the cap and the layer adheres and seals to the opening of the container. Comprises an induction sealing layer and a cardboard or PE foam layer divided by wax; the sealing layer is melted and applied to the opening of the container with aluminum. The strong seal ensures the safety of the consumers and the environment from aggressive filling contents, as well as long-term preservation of product properties. High Barrier layer can be added depending on the acidity of the contents.

Product Composition



Advantages

- Preserves the freshness/ flavor of foods and beverages
- Ensures the safe storage of dangerous substances

Applications

Pesticides/Lubricant/Edible oil, foods, medicine, confectionery, cosmetics and aggressive chemicals

Types of containers

PET, HDPE, PP, (HDPE/EVOH/HDPE) Multilayer containers

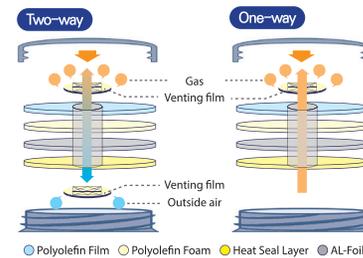


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Vent Seal Liner

Releases the gas from the plastic container, preventing the change of its shape (warping) and the bulging of the seal liner. Releases the gas generated from products such as kimchi, fermented foods (fermented fish, paste such as fermented soybean paste and red pepper paste) and liquid products such as insecticide and herbicide to the outside and adjusts the internal pressure to keep the contents safe. Vent (Breathing) Seal, depending on the needs of the user, may have a 1-Way or 2-Way structure.

Product Composition



Advantages

- Releases the gas from the product
- Safely preserves the contents in the container

Applications

Gas-generating liquid or fermented products

Types of containers

PET, HDPE, etc.

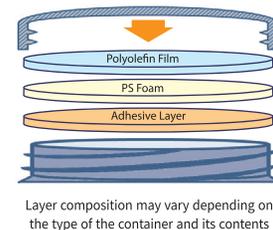


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PSP Liner

Seals the opening of the container by the coated wax on the foamed Polystyrene that adheres when pressure is applied by the screw cap even at low temperatures. Widely used for packaging jam, honey, dry, powdered products and pharmaceutical products such as vitamins. Increases the shelf life by preventing leakage and evaporation. Manifests excellent adhesion to glass and plastic containers.

Product Composition



Advantages

- Adheres without high-frequency induction sealing machine
- Reusable

Applications

Pharmaceuticals, dried foods, etc.

Types of containers

All plastic containers, glass bottles

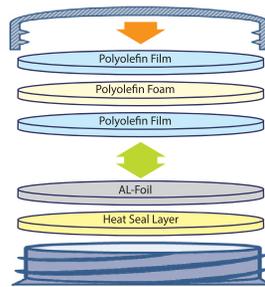


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Glue Seal (Wad & Membrane)

Includes two types: sealing the opening of the container with edible glue, and the induction type adhered by melting the sealant layer. Glue seal comprises aluminum foil/PE/glassine paper layer, and induction seal contains aluminum foil/sealant layer. The integral product contains two layers, the part that is inserted inside the cap when it is opened, and the part that adheres to the sealed part which is opening of the container. The material that is inserted inside, is wedged into the leak prevention line on the inner side of the cap, while the membrane glued to the container opening protects the inside of the container with a strong seal. The membrane shield increases the shelf life of the product and preserves the unique properties and the flavor of the product. Printing on membrane allows to show the logo of the customer's company.

Product Composition



Layer composition may vary depending on the type of the container and its contents

Advantages

- Extends shelf life through strong sealing
- Preserves the properties and flavor of the contents

Applications

Coffee (instant powder coffee), pharmaceuticals, powdered products (powder, food)

Types of containers

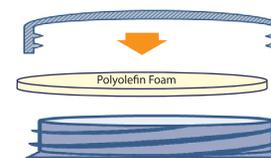
Glass bottles



EPE (Polymer Seal)

Made from foamed polyethylene, this seal features high elasticity and resilience. Mainly used in screw-type plastic or metal caps. Interacts between the cap and the opening of the container, and seals bottles to prevent leakage and contamination by external substances. This allows effective sealing even when the surface of the container inlet is not flat. Various lamination options (PE, PET, PP, OPP, Saranex, PVDC, PVOH, Tin-plate, etc.) are available to meet the requirements, foam density (Low density, High Density) and thickness can be adjusted. Provided in disc (Pre-cut), O-ring (donut shape) and tape (Reel/Roll) forms.

Product Composition



Layer composition may vary depending on the type of the container and its contents

Advantages

- Prevents leakage of contents
- Prevents contamination by external substances
- Effective sealing

Applications

Food, wine, medicine, edible / engine oil, cosmetics, etc.

Types of containers

All plastic containers, glass bottles



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