I. BOPP(Biaxially Oriented Polypropylene Film)

This polypropylene based film utilizes biaxial orientation technology-machine direction and transverse direction-which offers the best optical characteristics and mechanical strength. It is widely used for packaging foods and laminating.

■ General purpose

Film Grade	Thickness(㎛)	Seal Ability	Treatment	Description
BG	20,30	No	One side	For general printing and laminating
BG-R	20,30	No	One side	For general printing and cold-seal
BG-T	30,40	No	One side	For fabric, accessory, envelope
BT	30,40	No	Both side	For industrial adhesive tapes

■ Laminating film

Film Grade	Thickness(㎛)	Seal Ability	Treatment	Description
LF	12,15	No	Both side	Glossy laminating for book cover, shopping bag, poster
DF	15,18	No	Both side	Dull laminating for book cover, shopping bag, poster

■ Heat Sealing film

Film Grade	Thickness(㎛)	Seal Ability	Treatment	Description
SG,SO(25)	20,30,40 / 25	Yes	One side	Mostly used heat sealable film
SL	20,30	Yes	One side	Low temperature heat sealable film
SX	20,25	Yes	One side	Low shrink film for audio, video, cassette and CD packaging
SG-S	18	Yes	One side	For straw packaging

Photo. 1 CHEMPEOPLE BOPP Application

II. CPP(Cast Polypropylene Film)

The Cast Polypropylene Film is polypropylene based, and offers impressive transparency and external glossy qualities. It is excellent for packaging snacks as well as being used as a sealant film for retorting purpose due to its superb heat sealing characteristic and stabilizing dimensions of packaged contents.

■ Transparent film

Film Grade	Thickness(㎛)	Seal Ability	Treatment	Description
CPG	30,40	No	One side	For textile and general goods
CPS-1	20,30,40	Yes	One side	One side heat sealable film
CPM	20,25	Yes	One side	Heat sealable base film for AL metallizing
CPT	40	No	One side	For protection tapes

■ Retort film

Film Grade	Thickness(㎛)	Seal Ability	Treatment	Description
CPR-SG	60,70,80	Yes	One side	For general retort pouch
CPR-HG	60,70,80	Yes	One side	High temperature retort pouch
CPR-HS	100	Yes	One side	High temperature retort pouch
CPR-HL	70,80,100	Yes	One side	High temperature retort pouch
CPR-HW	80	Yes	One side	White colored retort pouch

■ White colored film

Film Grade	Thickness(㎛)	Seal Ability	Treatment	Description
CPWS	20,30	Yes	One side	For wet towel and tissue packaging
CPWT	20	Yes	One side	For wet towel packaging

Photo. 1 CHEMPEOPLE CPP Application

II. BOPE(Biaxially Oriented Polyethylene Film)

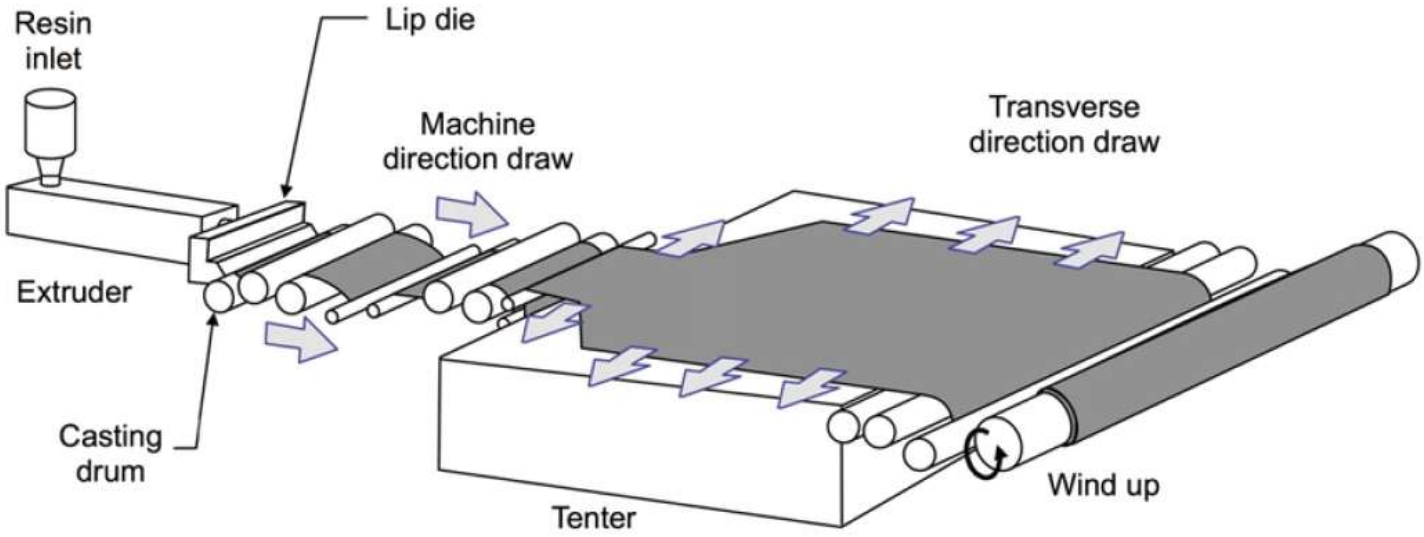
It is a product elongated using polyethylene as a raw material. It offers features such as reduced packaging material usage, improved product strength and quality, and good recyclability. It serves as an Eco-friendly solution widely utilized for PACKAGING food and disposable products..

■ Advantages of BOPE

It is a biaxially oriented PE film, which means that the PE film has been stretched in both the machine direction (MD) and transverse direction (TD)

•It has excellent thickness uniformity and smoothness due to the use of the extrusion coating method.

•Its equipment demonstrates high productivity and facilitates the production of wide films.



Film Grade	Thickness(㎛)	Dart impact strength(g)	Haze(%)	Tensile strength(Mpa)	
CP301	30	≥500	≤6.0	MD	≥70
				TD	≥150

BOPE / MDOPE Film (Oriented PE)

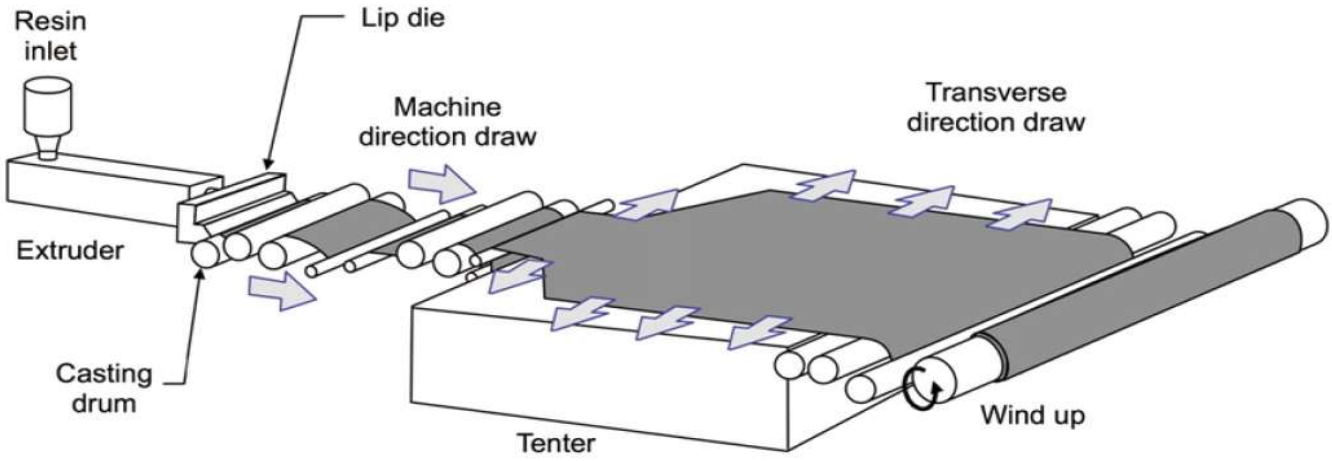
■ Advantages of BOPE

It is a biaxially oriented PE film, which means that the PE film has been stretched in both the machine direction (MD) and transverse direction (TD)

•It has excellent thickness uniformity and smoothness due to the use of the extrusion coating method.

•Its equipment demonstrates high productivity and facilitates the production of wide films.

< Explanation on BOPE & MDOPE >



■ Advantages of MDOPE

- It has good MD strength and good tension resistance.
- It has excellent heat resistance compared to general PE
- Good Smoothness, Printability and Resistance to cold & Durability
- **Good Recyclability** as a single material for PE film replacement and lamination

■ Application

- Printing layer of a composite material
- High-Strength packaging & Food packaging
- Life goods packaging

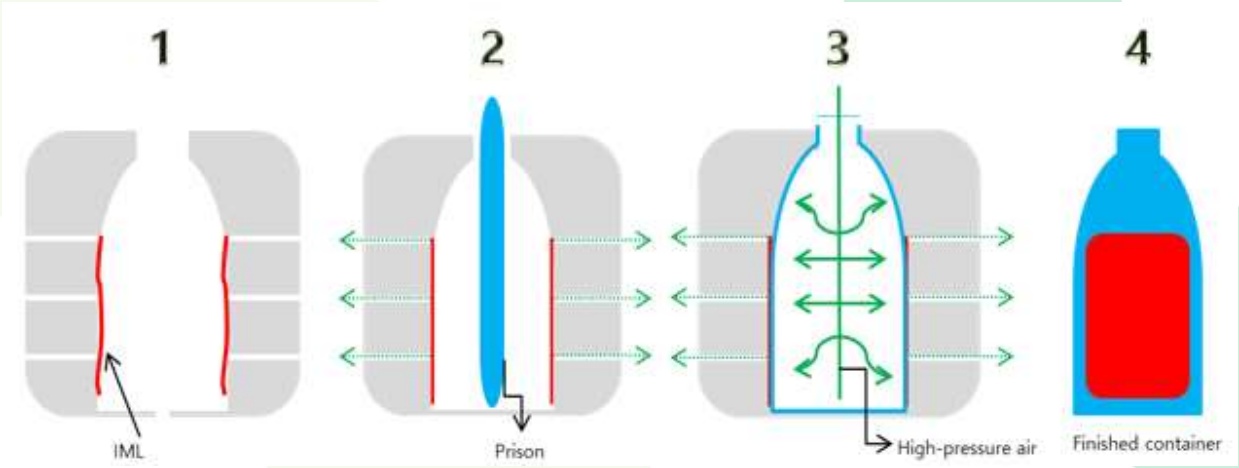
II. IN MOLD LABEL

Our in-mold labels are divided into two product groups depending on the molding method.

Injection

PROCESS

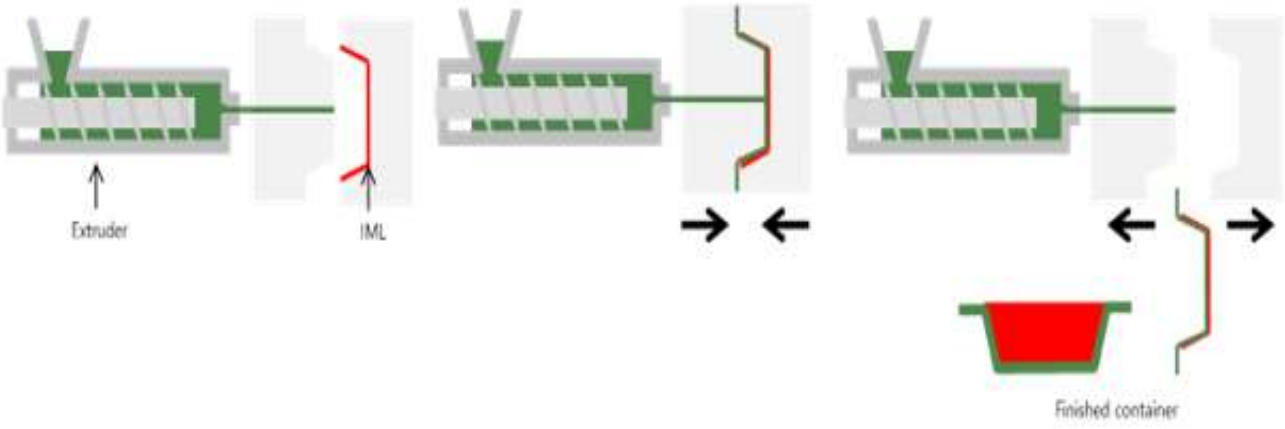
1. The label is placed on the front and back wall of the mold and it is fixed by the vacuum absorption of the mold wall.
2. The molten parison is injected and the mold is closed.
3. High pressure air is injected into the parison to inflate it. The expanded molten plastic is attached to the label.
4. After cooling, the molded container is discharged.
5. The process is restarted.



Bowl molding

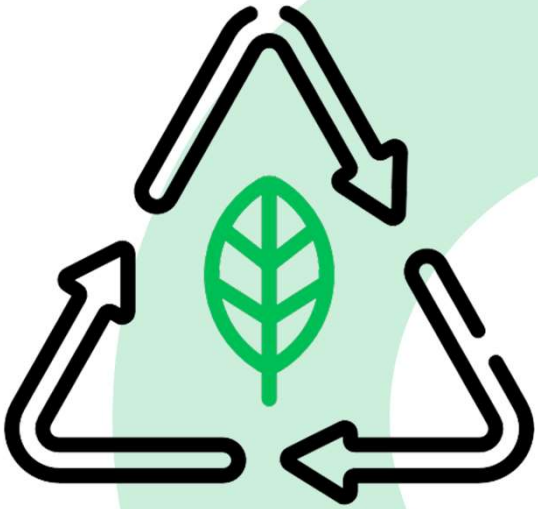
PROCESS

1. The label is placed inside the mold.
2. The mold is closed.
3. The melted plastic is injected into the mold and attached to the label.
4. After cooling, the molded container is discharged.
5. The process is restarted.



II. Bio Polymer

It is the bio-based biodegradable sustainable bio resin used for a disposable product and various durable products.



Biodegradeble

•Necessary performance and sustainable solution of a material

•The periods (1 to 3 years) needed for biodegradation are various depending on use and thickness. Biodegradability is verified. (ASTM D5511, ASTM 5338)

■ Advantages

• Biopolymer can be developed to achieve individual specific physical and mechanical performance goals with exclusive technology.

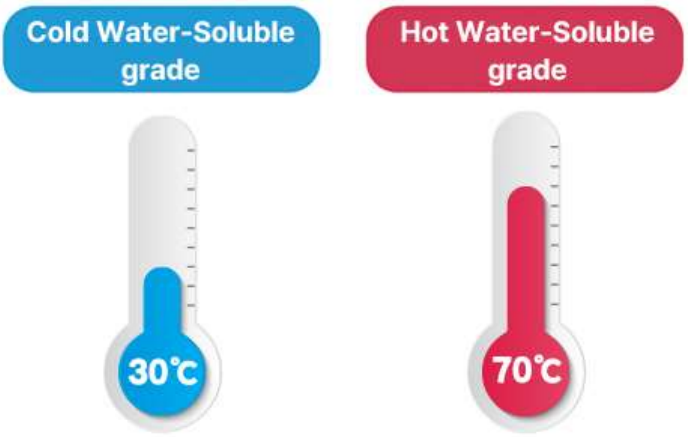
• Bio-based and can be designed to decompose on a highly accelerated basis due to the action of naturally occurring microorganisms such as fungi and bacteria, providing 'Biopolymer' with a true end-of-life solution

• Biodegradeble in landfill & FDA Title 21 Food Contact Compliant

• Available in Electrostatic Dissipative (ESD) grades at 10^9 and antistatic grades

II. PVOH(Polyvinyl Alcohol)

It is the petroleum-based biodegradable, sustainable water-soluble resin. The film is directly produced in our domestic factory using PVOH resin as the raw material, along with our exclusive patented technology.



■ Advantages

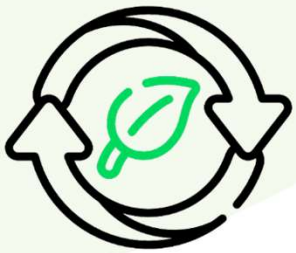
• As it achieves marine safety, an environmental issue is not generated from the waste water flow so that the fundamental Plastic bag waste issue is resolved.

• Completely degraded within 12 months in case of composting

• Blocking an infection factor including an infectious disease in advance due to the good gas block ability (low OTR) of PVOH

• Possible to directly put it in the washer and the Anaerobic Digestion Machine

Water-Solubility
Verification of 100%
complete solubility without residues



Biodegradability
Microorganisms (fungi, bacteria, etc.) in the soil degrade it into carbon dioxide,
water, and natural biomass.
Harmful substances are not generated during degradation.

I. Absorbent Masterbatch for PS Film

Do not use Absorbent Pads in your Packaging

■ PS Foam Absorbent Trays

- Absorbs the water more than 6 times of its own weight
- Absorbs the water quite quickly
- Keeps the toughness of the tray same as the normal PS foam trays

Fish

Meat

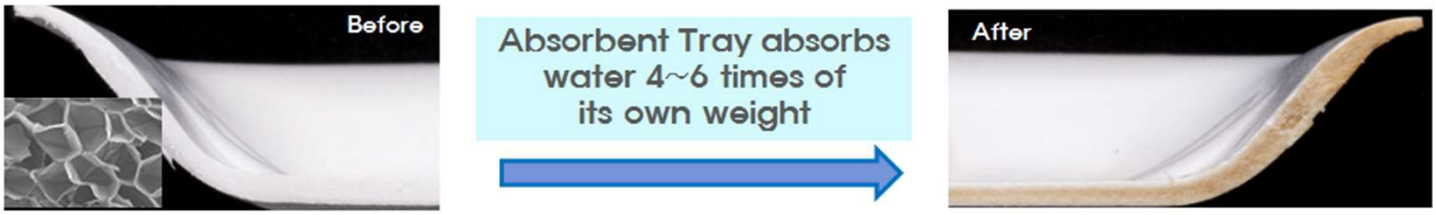


Photo. 1 CHEMPEOPLE PS Absorbent Foam Tray

	Weight before Absorption	Weigh after Absorption	Absorption Ratio
Ours	9.88g	47.67g	482%
Others	8.54g	21.81g	255%

Photo. 2 Comparison of water Absorption between CHEMPEOPLE VS Others