UNITIKA
We Realize It!

Biaxially Oriented Polyamide Film

" EMBLEM™ ON "　" EMBLEM™ ONM "

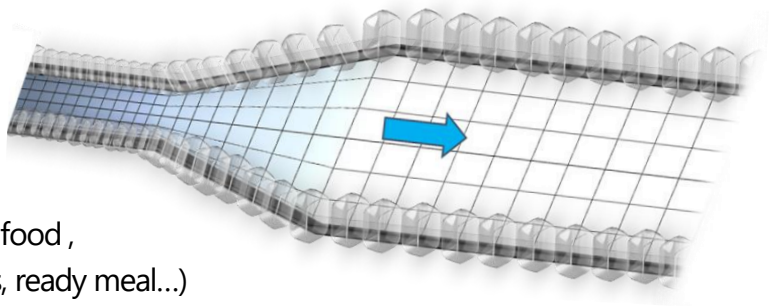
BOPA Films " EMBLEM™ ON "

Production Process : **Simultaneous Biaxial Orientation**

Most suitable manufacturing method for BOPA film with uniform property of MD and TD.

Excellent in processing

- More stable against moisture absorption
- Less front-back miss-alignment
- No S-pattern curling after bag making
- Pitch-stability in multi-color printing



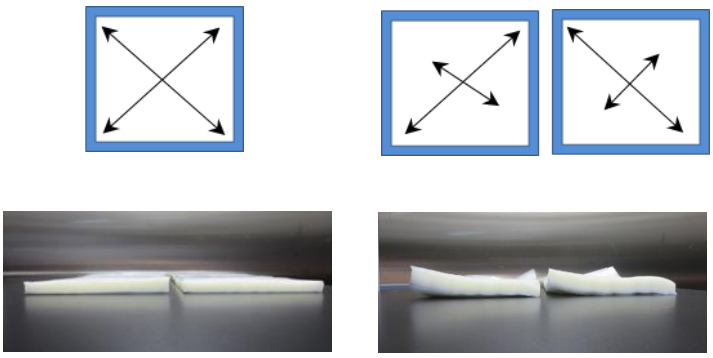
Application examples

Food pouch (soup, pickles, retort food, frozen food , process meat, food grain, snacks, ready meal…)

Liquid pouch (detergent, shampoo, juice, alcohol…)

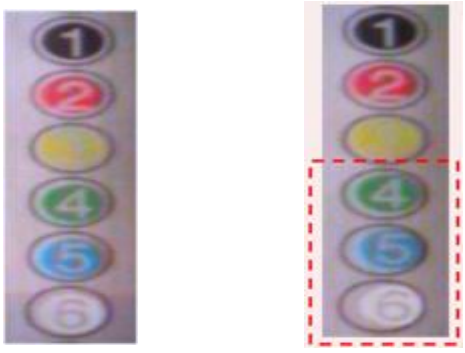
Consistent against moisture absorption

Simultaneous　Two-Step



Accurate printing pitch

Simultaneous　Two-Step



Misregistration!!

BOPA Films " EMBLEM™ ONM "

On top of all "EMBLEM™ ON" features,

compatible with a variety of adhesives and inks even in a wet condition, and during and after boiling, retort treatment or microwave.

Suitable for the applications that expect high tensile stress.

Application examples

Pouch for boiled or retorted food (curry paste, soup, sauce, ...)

Lid of cup (jerry, pudding, yogurt, syrup, ...)

Heavy duty plastic bag (wine, business-use pouch, ...)

Structure and adhesion strength (UNITIKA Method)

Application	Advantage
Pouch for boiling (BOPA//LLDPE)	ON//LLDPE : 1.0N/cm【ON/ad】 ONM//LLDPE : 2.1N/cm【 ONM/ad】
Pouch for retort treatment (Barrier PET//BOPA//CPP) (PET//AL//BOPA//CPP)	ON//CPP : 1.8N/cm【ON/ad】 ONM//CPP : 3.1N/cm【Film break】 ON//CPP : 2.7N/cm【ON/ad】 ONM//CPP : 5.2N/cm【Film break】
Lid of cups (BOPA/ink//CPP)	ON//CPP : 0.2N/cm【ON/ink】 ONM//CPP :1.2N/cm【Film break】

* Measured in wet condition

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UNITIKA LTD.
PT. EMBLEM ASIA

https://www.unitika.co.jp/global-packaging-film/