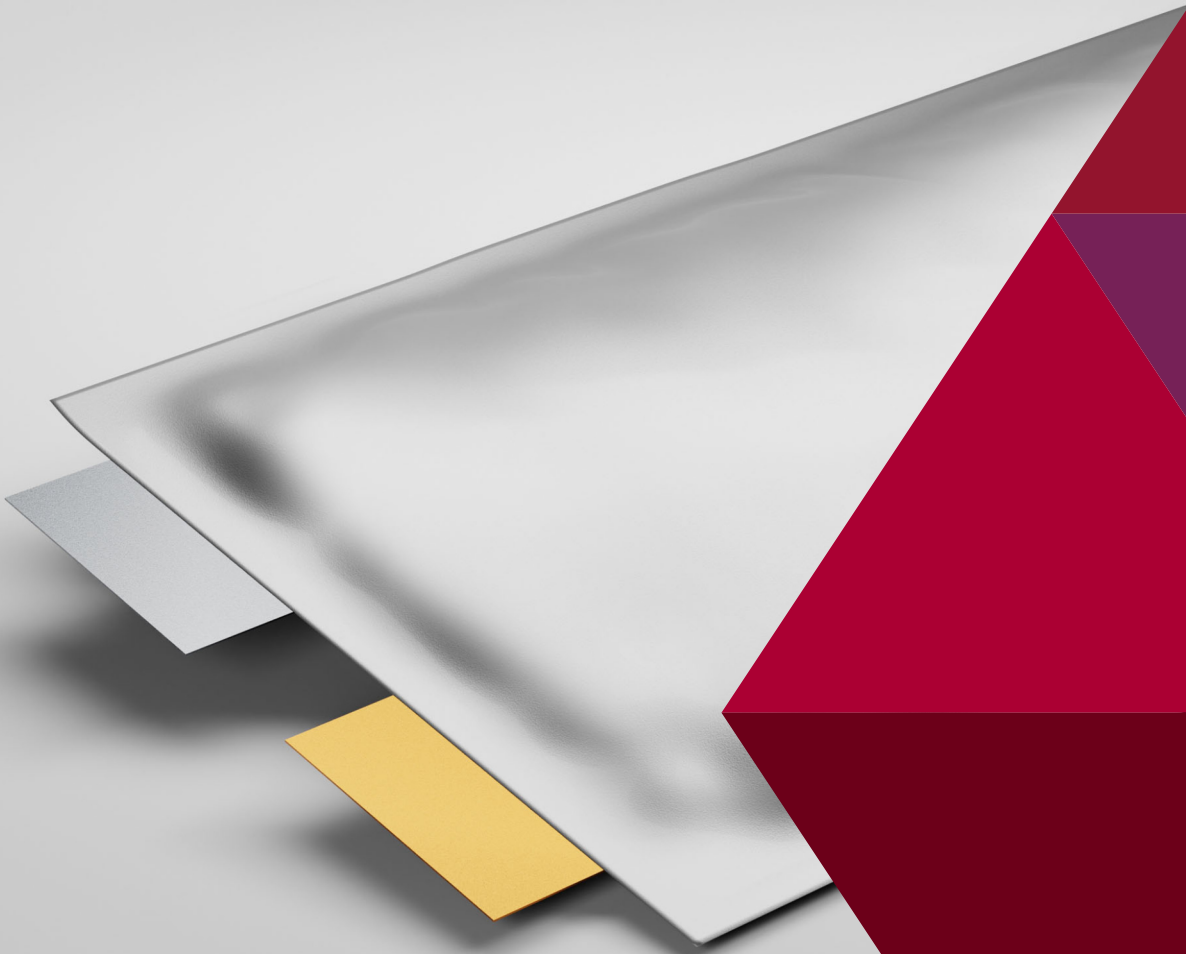




 PRODUCTS FOR BATTERY

# Pouch Film for LiB



## Application

- » For Tool, Toy, Mobilie etc. 3C Battery
- » For ESS, EV CAR, Large Battery

## Key Features

### High productivity

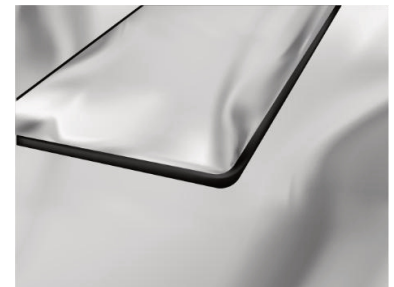
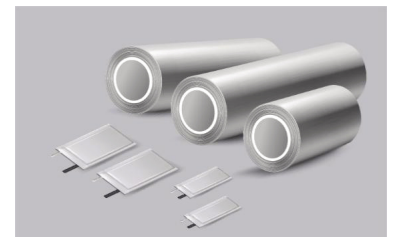
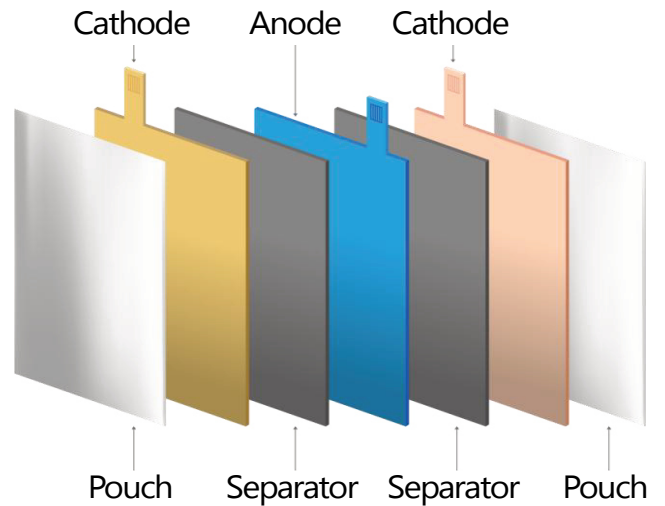
- » Efficient film design
- » Improve production processes
- » Reduce energy use

### Safe

- » Development and application of phosphorus flame retardant materials
- » Reduction of heat diffusion
- » Efficient insulation

### High Capacity

- » High forming
- » High efficiency
- » Excellent chemical resistance

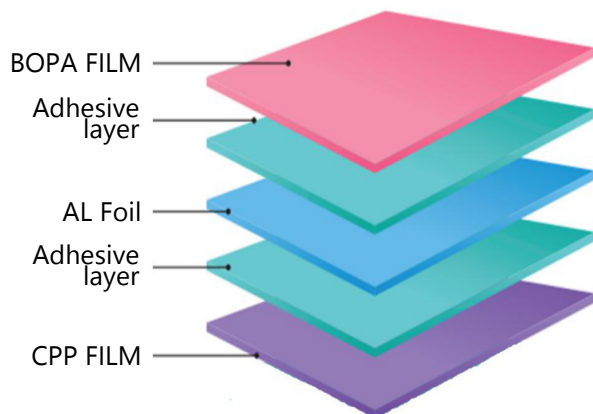


## Forming Test Data



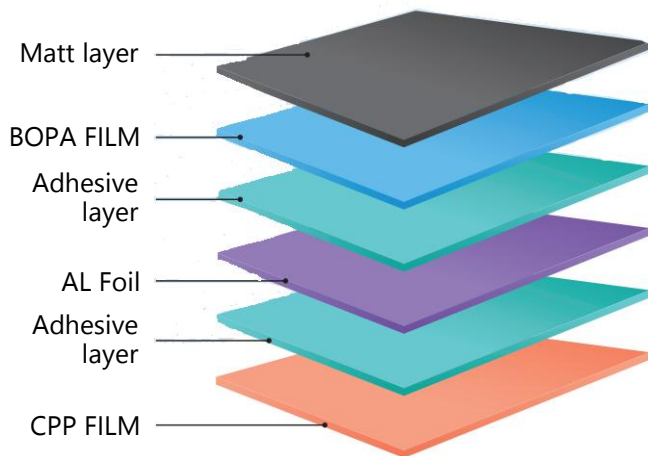
1. All sample after forming, no crack, de-lamination, and whitening
2. All sample were tested based on 10 EA
3. Sample size (150 mm\*150 mm), Molding Dimension (110 mm\*60mm), Molding R:1.5

## COREAP-Ny Type (113N, 153N)



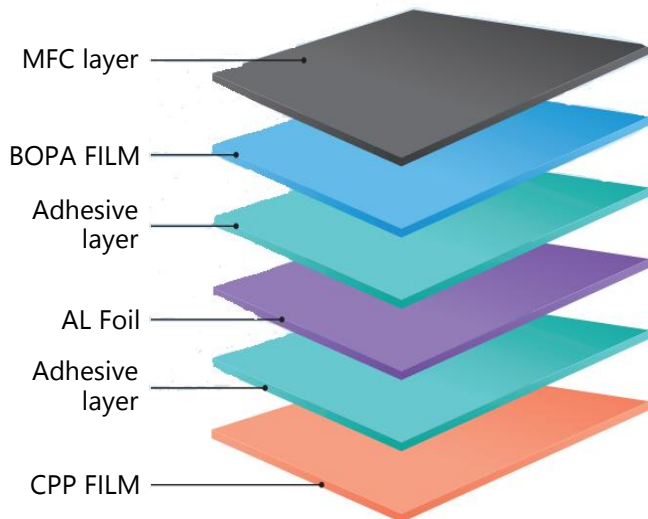
Item	Name	Thickness	
Polyamide film	Polyamide	25 $\mu\text{m} \pm 10\%$	25 $\mu\text{m} \pm 10\%$
Adhesive layer	Polyester adhesive	-	-
AL Foil	Alumium	40 $\mu\text{m} \pm 10\%$	40 $\mu\text{m} \pm 10\%$
Adhesive	Polyolefin adhesive	-	-
CPP	Polypropylene	40 $\mu\text{m} \pm 10\%$	80 $\mu\text{m} \pm 10\%$

## COREAP-Black Type (91BP, 113BP)



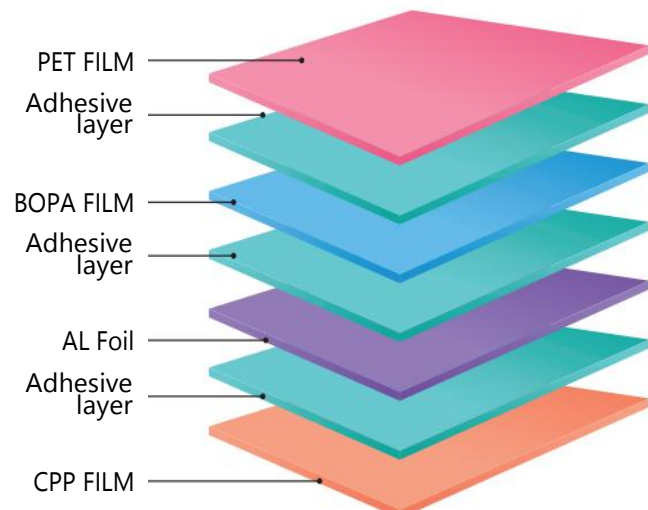
Item	Name	Thickness	
Matt layer	MATT	-	-
Polyamide film	Polyamide	15 $\mu\text{m} \pm 10\%$	25 $\mu\text{m} \pm 10\%$
Adhesive layer	Polyester adhesive	-	-
AL Foil	Alumium	35 $\mu\text{m} \pm 10\%$	40 $\mu\text{m} \pm 10\%$
Adhesive	Polyolefin adhesive	-	-
CPP	Polypropylene	30 $\mu\text{m} \pm 10\%$	40 $\mu\text{m} \pm 10\%$

## COREAP-MFC Type (147MF, 157MF, 177MF, 183MF)



Item	Name	Thickness			
MFC layer	MATT	-	-	-	-
Polyamide film	Polyamide	15 $\mu\text{m} \pm 10\%$	25 $\mu\text{m} \pm 10\%$	25 $\mu\text{m} \pm 10\%$	30 $\mu\text{m} \pm 10\%$
Adhesive layer	Polyester adhesive	-	-	-	-
AL Foil	Alumium	40 $\mu\text{m} \pm 10\%$	40 $\mu\text{m} \pm 10\%$	60 $\mu\text{m} \pm 10\%$	60 $\mu\text{m} \pm 10\%$
Adhesive	Polyolefin adhesive	-	-	-	-
CPP	Polypropylene	80 $\mu\text{m} \pm 10\%$	80 $\mu\text{m} \pm 10\%$	80 $\mu\text{m} \pm 10\%$	80 $\mu\text{m} \pm 10\%$

## COREAP-PET Type (157PT, 187PT)



Item	Name	Thickness	
PET film	Polyethylene Film	12 $\mu\text{m} \pm 10\%$	12 $\mu\text{m} \pm 10\%$
Adhesive layer	Polyester adhesive	-	-
Polyamide film	Polyamide	15 $\mu\text{m} \pm 10\%$	25 $\mu\text{m} \pm 10\%$
Adhesive layer	Polyester adhesive	-	-
AL Foil	Alumium	40 $\mu\text{m} \pm 10\%$	60 $\mu\text{m} \pm 10\%$
Adhesive	Polyolefin adhesive	-	-
CPP	Polypropylene	80 $\mu\text{m} \pm 10\%$	80 $\mu\text{m} \pm 10\%$

Find out more



Contact us

[mobility@nagase.eu](mailto:mobility@nagase.eu)

**NAGASE (EUROPA) GmbH**

Werdener Strasse 4  
40227 Duesseldorf  
Germany

Tel: +49 (0)211 866200