

# ET IN MOLD COMBINATION FILM

水轉印膜 · 熱塑轉印膜 · TT金屬密著膜 · ET模內複合膜 · 彩色防水透濕膜 · 水轉印專業加工 · 整廠設備技術輔導  
WATER TRANSFER PRINTING FILM / THERMOFORM TRANSFER PRINTING FILM / TT METAL LAMINATED FILM / ET IN MOLD COMBINATION FILM /  
COLORFUL BREATHABLE & WATERPROOF FILM / PROFESSIONAL WATER TRANSFER PRINTING SERVICE / EQUIPMENT & TECHNOLOGY TRANSFER

## A. INTRODUCTION TO ET IN MOLD COMBINATION FILM

In Mold Combination is a revolutionary product exclusively developed by CCH, integrates various of surface decoration for cubic material such as in mold foaming, painting, transfer printing, clear coating, etc. This single forming process increases the efficiency stably, and saves production time and working cost with simple equipment.

The finished product decorated by IFFA In Mold Combination Film has excellent abrasion resistance and flexibility. By the examination report, it is over level 4 on anti-yellowing and achieves -30°C on cold-resistance. There is no plasticizer in film composition which probably cause "migration", to avoid any problem on adhesion. It is non-toxic green product with pure molecular structure, and there is no air pollution on incineration. The film will be naturally decomposed by humidity and microorganism once buried in the earth after 3~5 years.



## B. THE TECHNICAL PROCESS OF IN MOLD COMBINATION

### a. Pattern Selection

Pick up the proper pattern, and cut the film according to the foaming material size.

### b. Mold Preheating

Clean the mold appliances and preheat the mold, then open the splint and the lid.

### c. Place The Film

Place IFFA In Mold Combination Film on bottom of the mold.

### d. Fix The Film

Buckle the splint into the bottom, and check if the film fixed well.



### e. Vacuum

Turn on the suction device, and then the film will tightly close to the bottom in vacuum.

### f. Pour PU Liquid

Pour PU Liquid into the mold, and then buckle the lid into the splint and the bottom.

### g. Trim The Product

After the PU foaming, open the mold to take out the finished product and trim the spare film.

## C. APPLICATIONS

The products decorated by In Mold Combination are very light in weight and have very good performance in abrasion resistance and flexibility. Therefore, this technology is usually applied to EVA foaming sole, bike, scooter or automobile cushion. It is also suitable for ABS hard shell of backpack and even decoration materials such as PU beam, cornice, and claque.

## D. WHAT CCH OFFERS

On IFFA ET In Mold Combination Film, CCH provides over 500 wonderful patterns for customers' choice such as wood grain, stone grain, metal grain, carbon fiber, camouflage and other designs. There are also professional designers in CCH who can develop the new patterns according to clients' request. CCH also provides the know-how of equipment, and helps customers to have the correct operation for mass production.



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