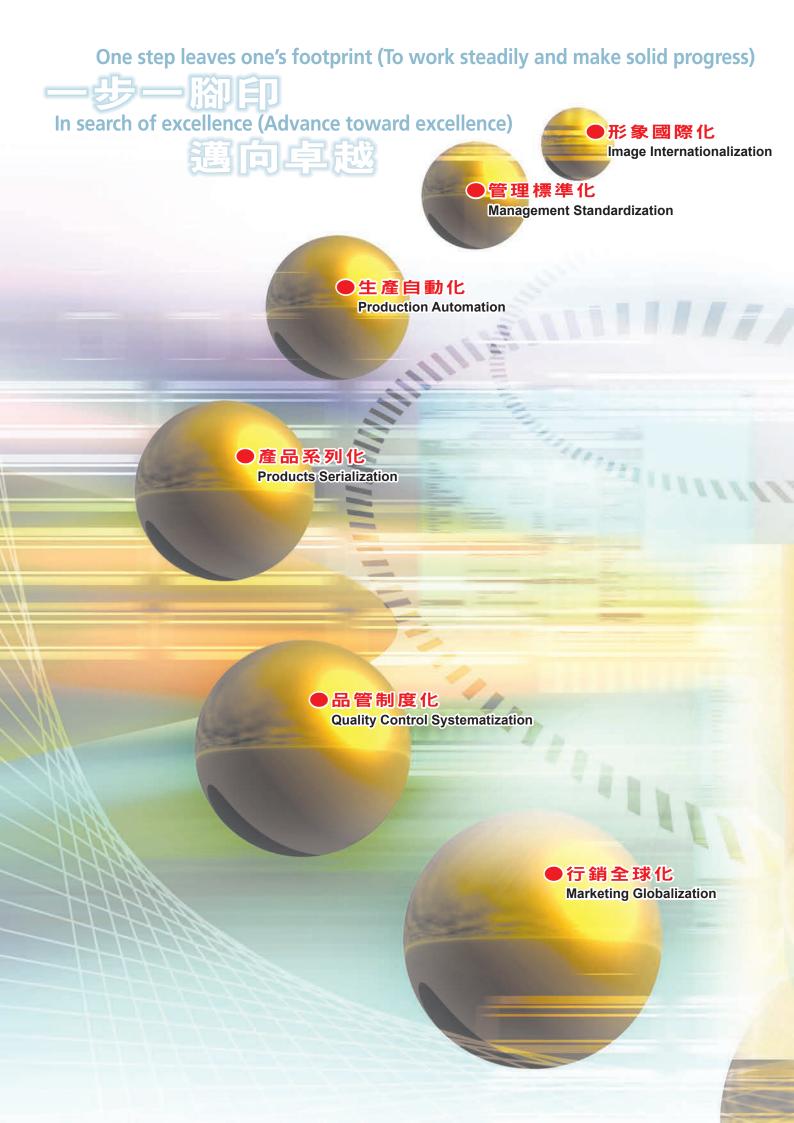


南亞食品暨工業膠膜

NAN YA WRAP FILM FOR FOOD & INDUSTRIAL USE



南亞塑膠工業股份有限公司 NAN YA PLASTICS CORPORATION



京 亞塑膠公司創立於公元1958年,隸屬於台塑集團,為世界最大塑膠加工廠之一,主要產品為塑膠、纖維及電子等高科技產品,1975年投入PVC膠膜生產。自成立以來,一直秉持台塑企業「追根究底」之企業信念並嚴格要求品質管制,同時以「突破、創新、徹底、圓滿」之經營理念貫徹執行,品質卓越深獲業界一致肯定,目前已被廣泛運用於各類食品之包裝、保鮮及工業用之個體包裝與圓筒物包裝。

Nan Ya Plastics Corporation was founded in 1958. The company is subordinate to Formosa Plastics Group and is one of the largest plastics processing plants in the world.

The major product line of the company consists of plastics, polyester fiber and high technological electronic materials.

Nan Ya Plastics Corporation entered into PVC wrap film production in 1975. Since it was initiated, we have been continuing the Group's belief of "inquire into the cause of the matters" and strictly demanding the quality control all the time. Simultaneously, we have been implementing our business operation concept of "breakthrough, innovation, completion, perfection", with the result that it enabled our remarkable quality to profoundly acquire the affirmation in the industry sector.

For the present, the product has been extensively applied to all sort of food package, retaining freshness, industrial individual goods package and cyclinder goods package.



徹底執行標準化管理 IMPLEMENT STANDARDIZED MANAGEMENT THOROUGHLY



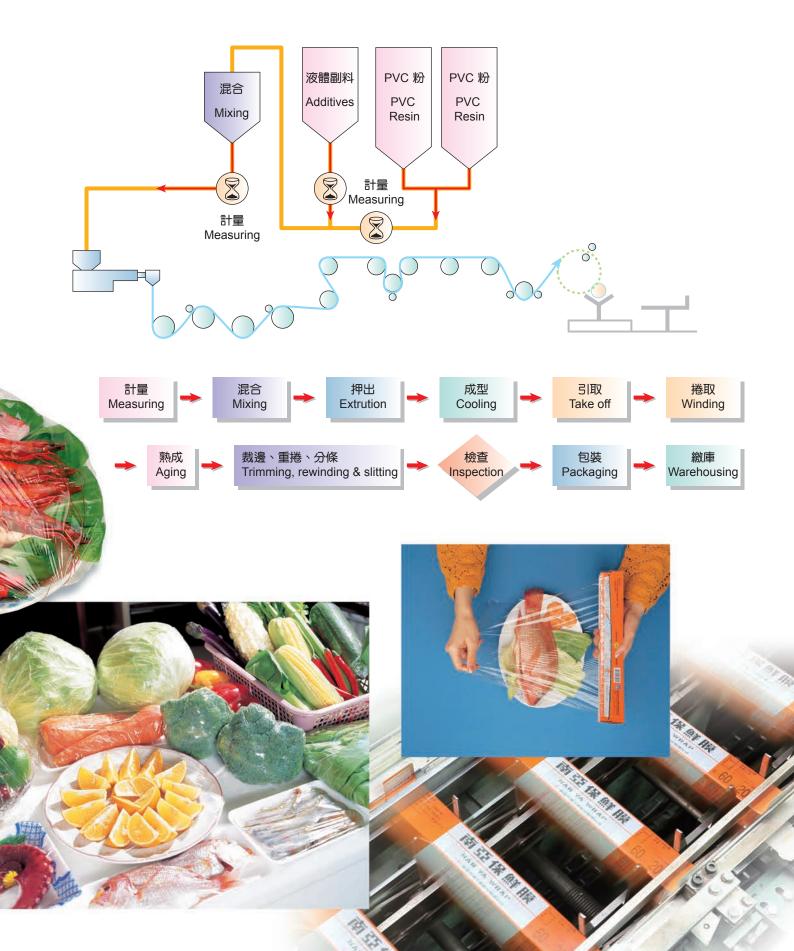
所有作業流程均依「操作標準手冊」之方法及數據進行作業,所以能取得一致性的品質 標準。

All the operation procedures is conducted and operated in accordance with the way and Data stipulated in "Operation Standard Manual", which enables the product to al quire the consistent quality standard.



PVC膠膜生產流程簡介

A BRIEF INTRODUCTION OF PRODUCTION PROCESS TO PVC WRAP FILM



家庭用PVC保鮮膜

材質:軟質PVC配方。

用途:主要為家庭用食品之冷藏、冷凍等用途包裝。

優點: 南亞家庭用保鮮膜為南亞塑膠公司新開發之食品類包裝膠膜,具有下列優點:

- ① 衛生安全:南亞保鮮膜係符合國家食品衛生標準及JHP(日本PVC衛生協會)衛生標準,適合於各種食品包裝。
- ② 光澤透明:南亞保鮮膜光澤度及透明性均佳,提高產品價值。
- ③ 保鮮性:南亞保鮮膜有良好的阻隔性,可確保食品之新鮮度。
- ④ 防霧性:以普通膠膜包裝含有水份之食物時,其表面易凝聚水珠而呈霧狀,致透視度差且食物易腐壞。南亞保鮮膜防霧效果佳,能使水滴自動流散,保持使包裝食物具有良好之透明性並確保食品之新鮮度。
- ⑤ 耐寒性:南亞保鮮膜具優越之耐寒性,在低溫冷藏時仍能保持良好之柔軟性。
- ⑥ 包裝適性:南亞保鮮膜由於柔軟性佳,粘著力適當並有優良之伸長率,所以使用 時可完全貼附包裝物,不會有翹起與包覆不佳之問題。

使用注意事項:

- 1.適用於常溫、冷藏使用。
- 2.請勿直接包覆高油脂食品。
- 2.不建議微波爐使用,高溫時勿與食品直接接觸。

PVC WRAP FILM FOR HOME USE

MATERIAL: Flexible PVC formulation

USE: It is primary for cold storage food package and frozen food package in home.

ADVANTAGE: It was a new product developed by Nan Ya Plastics Corporation for food package enjoying the following advantages---

- Hygiene and safety: In conformity with the national food hygienic standard and Japan hygienic PVC (JHP) association standard. It was suitable for all sorts of food package.
- 2. Glossiness and transparency: Both fine glossiness extent and transparency property enable the product to enhance its value.
- 3. Retaining freshness property: It possesses good gas barrier and good moisture retention which can ensure the fresh extent of food.
- 4. Fog resistance property: If the food containing moisture is wrapped by general wrap film, the surface is easily to condense water droplet and loom foggy status which affect on poor perspectivity and easily spoil the food.
 Nan Ya's product gets an outstanding fog resistance enabling the water-drop to wander about and scatter automatically and keep up carrying good transparency
- 5. Cold resistance property: The product occupies an outstanding cold resistance property and still retains a good softness under cold storage at low temperature.

property for food package and ensure the fresh degree of food.

6. The package suitability property: Thanks to the remarkable softness, an appropriate adhesion force and fine elongation, the film can completely nestle up the goods packed without bend upwards and improper package problems generated.

Matters needing attention:

- 1. Suitable for the application of use at room temperature and cold storage.
- 2. Please do not use the product to direct wrap high fat food.
- 3. By using the product in microwave is not recommended.

 Do not let the product to direct contact the food under the high temperature.



超市用PVC保鮮膜

材質:軟質PVC配方。

用途:適合蔬菜、水果、肉類、海產品等食品之包裝。

優點:南亞食品包裝用保鮮膜為南亞塑膠公司新開發之食品類包裝膠膜,具有下列優點:

- ① 衛生安全:南亞保鮮膜係符合國家食品衛生標準及JHP(日本PVC衛生協會)衛生標準,適合於各種食品包裝。
- ② 光澤透明:南亞保鮮膜光澤度及透明性均佳,提高產品價值。
- ③ 保鮮性:南亞保鮮膜有良好的阻隔性,可確保食品之新鮮度。
- ④ 防霧性:以普通膠膜包裝含有水份之食物時,其表面易凝聚水珠而呈霧狀,致透 視度差且食物易腐壞。南亞保鮮膜防霧效果佳,能使水滴自動流散,保持使包裝 食物具有良好之透明性並確保食品之新鮮度。
- ⑤ 耐寒性:南亞保鮮膜具優越之耐寒性,在低溫冷藏時仍能保持良好之柔軟性。
- ⑥ 包裝適性:南亞保鮮膜由於柔軟性佳,粘著力適當並有優良之伸長率,所以使用 時可完全貼附包裝物,不會有翹起與包覆不佳之問題。

PVC WRAP FILM FOR SUPERMARKET USE

MATERIAL: Flexible PVC formulation

USE: Suitable for food package like vegetable, fruit, meat, seafood and so forth.

ADVANTAGE: It was a new product developed by Nan Ya Plastics Corporation for food package enjoying the following advantages---

- Hygiene and safety: In conformity with the national food hygienic standard and Japan hygienic PVC (JHP) association standard. It was suitable for all sorts of food package.
- 2. Glossiness and transparency: Both fine glossiness extent and transparency property enable the product to enhance its value.
- 3. Retaining freshness property: It possesses good gas barrier and good moisture retention which can ensure the fresh extent of food.
- 4. Fog resistance property: If the food containing moisture is wrapped by general wrap film, the surface is easily to condense water droplet and loom foggy status which affect on poor perspectivity and easily spoil the food.
 - Nan Ya's product gets an outstanding fog resistance enabling the water-drop to wander about and scatter automatically and keep up carrying good transparency property for food package and ensure the fresh degree of food.
- 5. Cold resistance property: The product occupies an outstanding cold resistance property and still retains a good softness under cold storage at low temperature.
- 6. The package suitability property: Thanks to the remarkable softness, an appropriate adhesion force and fine elongation, the film can completely nestle up the goods packed without bend upwards and improper package problems generated.



工業包裝用

南亞工業用膠膜係本公司繼食品包裝用保鮮膜後開發而成的最新包裝材料。 其材質為PVC伸縮薄膜,具有超薄、強韌、透明及自粘等特性,主要用於產品之個體包裝及圓 筒物包裝,可達到保護產品,防潮,防塵之目的。

PVC WRAP FILM FOR INDUSTRIAL USE

This product is newly developed package material following its wide use in food wrapping. The product possesses the characteristics of stretch, super-thickness, roughness, transparency, self-stickiness and so forth. Its main purpose is for individual and cylinder goods packages enabling to attain protection, moisture proof and dust prevention.

小個體物包裝:

例:電線、鐵線、鋼線、軟管、香皂等產品。

SMALL INDIVIDUAL GOODS PACKAGE:

For instance-- electric wire, iron wire, steel wire, soft hoses, toilet soap and so on.

圓筒物包裝:

例:各類膠皮、壁紙、玻璃纖維、不織布、 布匹類、紙捲、筒紗等圓捲筒狀產品

CYLINDER GOODS PACKAGE:

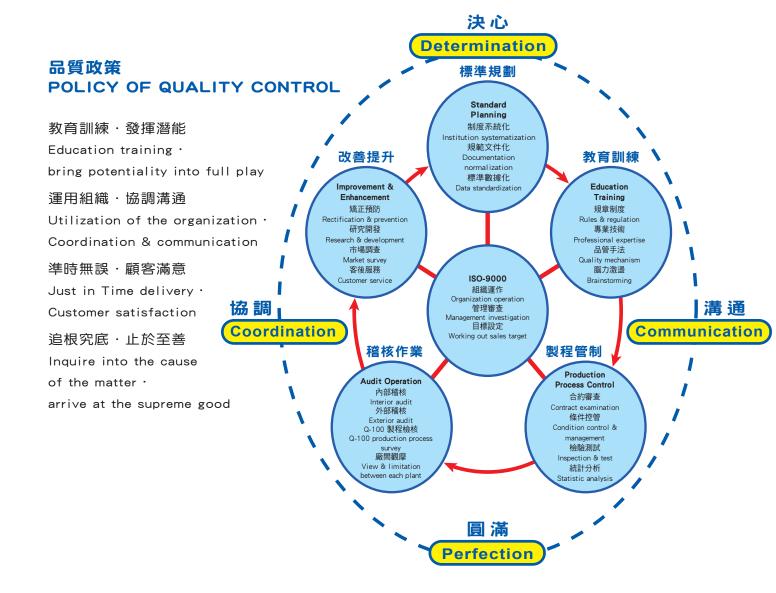
For example-- all sorts of synthetic leather, wall coverings, glass fiber, non-woven fabric, cloth, paper core, yarn cone and so forth.







- ★ 1993年通過ISO-9001經濟部標準檢驗局品質認證
- ★ 2000年通過ISO-14001經濟部標準檢驗局環境管理系統認證
- ★ Certified by ISO-9001 in 1993, stipulated by the Bureau of Standards, Metrology & Inspection, Ministry of Economic Affairs (MOEA).
- ★ Certified by ISO-14001 in 2000, stipulated by the environment management system of the Bureau of Standards, Metrology & Inspection, Ministry of Economic Affairs (MOEA).



成品物性檢查 Physical Properties Checking



●霧度檢查 Haze







〇光澤度檢查 Gloss







●拉力強度及伸長率檢查 Tensile Strength and Elongation

品管制度化制度 化 Quality Control Systematization Quality Control Systematization

物性表 PHYSICAL PROPERTIES

項目 Item		單位 unit	試驗方法 Test method	家庭包裝用 Home use	食品包裝用 Food Use	工業包裝用 Industry Use	
拉力強度 Tensile strength	縱向MD	Kg/cm²	ASTM D882	320	360	280	
	橫向CD			250	260	260	
伸長率	縱向MD	%	ASTM D882	200	270	260	
Elongation	橫向CD			220	350	370	
霧度 Haze		%	ASTM D1003	0.8	1.5	8.0	
光澤度 Gloss(60°)		% ASTM 130 135 D2457					
備註 上表為實驗室數據,僅供參考用。 Remarks Above data are conducted by our laboratory, it is for your reference only.							

規格表 SPECIFICATIONS

用途別 Applications	厚度 μ Thickness	寬度 cm Width	長度 m Length	包裝 Packaging
家庭用 Home use	-	30	30, 46, 61, 62	每盒1支 1pc/ Box
超市用 Supermarket use	10~20	25, 30, 35 40, 45, 50 60	500	每箱6支(寬度50cm;60cm 每箱4支) 6 rls / CTN (But 4 rls / CTN for width in 50 cm, 60 cm)
			800~3000	每箱2支(長度2000m 以上每箱1支) 2 rls / CTN (But 1 rl / CTN for roll Length in 2000m and above)
工業用 Industrial use	16~25	25~200	500, 2000	3" 紙管 3" ID paper core

南亞PVC保鮮膜之食品衛生性:

針對南亞PVC保鮮膜之食品衛生性說明如下:

1. PVC(聚氯乙烯)樹脂:

南亞保鮮膜係使用台塑公司所製造之PVC 樹脂,屬穩定、安全之原料,其製程係以最先進、環保、密閉的生產系統,將氯乙烯單體(VCM)原料加入淨水進行聚合,再以日本最先進脫除技術將未反應完全之VCM脫除,經由不斷創新改良之製程,VCM殘留量已降至 1 PPM以下,符合台灣及歐、美、日等先進國家衛生標準。

2. 添加原料:

南亞保鮮膜所使用添加原料均符合國家食品安全衛生標準。

3. 南亞保鮮膜品質優良:

南亞保鮮膜品質符合行政院衛生署之「食品器具容器包裝衛生標準」,亦取得日本PVC食品衛生協議會(JHP)確認證明書,產品品質優良。

THE FOOD HYGIENE PROPERTY OF PVC WRAP FILM MANUFACTURED BY NAN YA PLASTICS CORPORATION:

In regard to the food hygiene property of PVC wrap film, the explanation is given as follows:

1. Polyvinyl chloride (PVC) resin:

The PVC resin used in the product is manufactured by Formosa Plastics Corporation, which is attributed to stable and safe raw material. The production process utilizes state-of-the-art, eco-friendly, green close production system and is to put vinyl chloride monomer (VCM) raw material in de-ionized water to conduct polymerization, and then to use the advanced technology introduced from Japan to eliminate the VCM that is not completely reacted. Through the continuous innovation and improvement of production process, the VCM residue has been lowered to 1 ppm below which meets the national hygiene standard not only in Taiwan, but in the other advanced countries like Europe, USA, Japan.

2. Additives:

All additives contained are in conformity to national food safety hygiene standard.

3. Superior Quality:

The product is complied with "food, utensil, container package hygiene standard" enacted by Department of Health of Executive Yuan. It also acquires the authentic verification proved by Japan hygiene PVC (JHP) association.



南亞將以台灣、中國及越南為膠膜製造中心 供應最佳品質系列產品至全球市場

Based on production center in Taiwan, China and Vietnam, Nan Ya supplies highest and best quality PVC wrap film to the global market.







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