



# COATED FABRICS

The best quality we provide

- Laminating Materials 貼合塑料/布料
- Advertising Products 廣告用布
- Marine Appliance 海上運動用品
- Tarpaulin 夾網膠皮

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- TPU Film and Sheeting 薄膜及膠膜
  - Hot Melt Film 熱熔膠膜
  - Dry Bags Fabrics 防水袋布料
  - Seam Sealing Tape 止水條
  - Heavy PU (HPU)

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- Non-Slip Fabrics 止滑布
  - S-Hypalon

# About Sixup

## Company Profile

Sixup Corporation is established in 1981, mainly in manufacturing and sale of industrial fabrics. In response to global environmental goals, we researched and developed the thermoplastic polymer material called TPU, to replace PVC lamination on industrial cloth in 1994. We were the first local company to invest eco-friendly coated fabric and obtained the Swiss Bluesign Certificate in 2013. We are also one of the few manufacturers in the world who can supply TPU coated fabric that conforms to the ISO 12402-7 "Water Life Jacket Fabric" standard.

Sixup obtains multiple patents and can supply variety of products certified for OEKO-TEX, Adidas A-01, Nike RSL, Bluesign, as well as the EU REACH and GRS as per request by customers.

Sixup is not only nominated by many well-known brands in the world, but also part of VF Group, Patagonia, IKEA, Lululemon and so on.

Sixup is really a serious, responsible and reliable business partner.

### 公司簡介

六上實業股份有限公司成立於 1981 年，主要為製造及銷售工業用布。為響應全球綠色環保訴求，於 1994 年研發出以熱可塑性高分子材料 TPU 取代 PVC 作為工業用布的貼合材料，成為國內最早投入 TPU 環保膠皮生產的廠商，並於 2013 年成為國內第一家取得瑞士 bluesign 環保認證的貼合廠家。也是全球目前少數幾家可生產符合 ISO 12402-7「水上救生衣布料」標準規範的製造廠。

六上公司取得多項製程技術專利及新型專利，可依客戶需求生產多樣性材料及符合 OEKO-TEX、Adidas A-01、Nike RSL 和 bluesign 等環保標準及歐盟 REACH 規範、GRS 認證等。不僅為國際眾多知名品牌指定的環保布料供應商，更取得 VF 集團、Patagonia、IKEA、Lululemon 等知名廠牌驗廠通過，是一家認真、負責且值得信賴的合作夥伴。

## ● Manufacture Items 營業項目

### Major Products

Sixup mainly manufactures environmental materials, like TPU film and variety of coated fabrics, such as TPU, PU and Non-P PVC. Our products are popular for backpacks, shoes, outdoor goods, cooler bags, life vest, medical and inflatable materials etc. Besides, we also supply seam sealing tapes and self-adhesive tapes etc.

### 主要產品

環保膠皮，TPU Film 及各種紡織品上膠貼合製造，如：PU、PVC、NON-P PVC、TPU 等。產品應用於袋材、鞋材、戶外運動用品、冰袋、救生衣、醫療用品、充氣產品等，另有止水條、自黏背膠等相關產品。

品質承諾 SIXUP Quality Commitment

顧客全面滿意 Full Customer Satisfaction

永久持續改善 Permanent and Continuous Improvement

卓越創新技術 Superior Innovative Technology

追求完美品質 Pursuit of Perfect Quality

## ● Certificate 認證

Bluesign®



GRS



ISO 9001:2015



ISO 14001



ISO 45001



## ● Quality Control 品質管制

Sixup Corp. encourages numerous international certificates and quality control systems to meet quality requirements and lead time from our customers.

六上公司積極推動各項國際認證及品質管理系統，力求出廠的產品達到客戶品質及交期的要求。

Our QC department has various testing machines. Test items include: Colorfastness, Spray Test, Hydrostatic Pressure, Tensile and Tear tests, Taber Abrasion, Bonding Strength, Flexing Test and Anti-Yellowish.

六上公司品管部擁有多樣專業試驗儀器，可進行不同的產品測試。實驗項目包括：測色、撕拉力、耐磨、貼合強度、耐曲折、潑水、水壓、色牢度及耐黃變試驗等，以落實對產品及服務的重視。

## ● Certificate 認證

Higg Index



TNF 實驗室認證



VF SUPPLIER IN HOUSE LABORATORY CERTIFICATE

Name of VF Brand: The North Face

This certifies that the laboratory of:  
Fabric Mill Factory

Sixup Corporation

No. 383, Zhensheng Rd., Guishan Dist., Taoyuan City, Taiwan 33353

Has been approved by VF Asia to perform following tests:

intertek  
Total Quality Assured

Datacolor Certify



Datacolor Certify

GLOBAL ASSESSMENT PROGRAM

Sixup Corporation

Successfully meets the assessment criteria for this program, by demonstrating a clear understanding of color management procedures and meeting all equipment and service requirements

### Main Testing Instruments in Sixup Laboratory

Color Analyzer X-Rite Ci7800



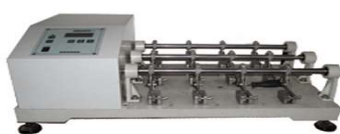
Servo Control System  
Universal Testing  
Machine



High Frequency  
Testing Machine



Bally Leathers Flexing Tester



Taber Type  
Abrasion Tester



UV Discoloration  
Meter  
( with Xenon-ARC  
lamp )



# Products 產品

## Coated Fabrics™

**TEXTILE** : NYLON 40D, 70D, 100D, 140D, 210D, 320D, 360D, 420D, 500D, 840D, 1000D, 1260D, 1680D, 2520D

POLYESTER 50D, 75D, 100D, 150D, 250D, 300D, 450D, 600D, 900D, 1200D, 1500D, 1800D, 2400D, 3600D

**WEAVING** : Plain, Ripstop, Twill, Dobby, Gucci, Jacquard

**COATING** : PU, Pigment, Silver, Glitter & Pearl finishing etc.

**BACKING** : TPU, Heavy PU, PVC, Non-Phthalate PVC.

**APPLICATION** : Sports Bags, Luggage, Rain Cloth, Life Jacket, Air Bags, Inflatable Water Bags, Sleeping Bags, Umbrella, all kinds of covers etc.

### ● Laminating Materials 貼合塑料/布料

➤ Merits of Sixup Products 六上產品的優點 :

1. Strong bonding strength 貼合牢度 1.2-8 kg/inch
2. Straight weft yarn, printing line and circle shape in full width 貼合不會歪斜
3. Glossy or full matte finishes 亮面或霧面效果處理

### ● School Bag, Pencil Case, Bag, Backpack, Umbrella 書包、筆袋、背袋、傘

➤ Properties 特性 :

1. Customer design workable 可依客戶設計圖生產
2. Digital pre-printing for approval 可先提供數位印刷樣做確認
3. Keep straight line or circle shape on fabrics 不會歪斜及變形

### ● Laptop, Camera Bag, and Diving Bag 電腦袋、相機袋、潛水袋

➤ Properties 特性 :

1. Neoprene backed velvet fabrics 天鵝絨布底
2. Soft and sponge hand feel 手感柔軟有彈性

- **Raincoat or Trench Coat Fabrics 雨衣或風衣用布**

- Properties 特性：

1. Fabric – Poly 50D, 75D or Nylon 70D, 210D, 420D etc.
2. Finishing – W.R., PU Coating, Heavy PU laminated etc.
3. Safety – Non-formaldehyde, Non-toxic elements etc. 無福馬林等有害物質
4. Comfortable – Non-sticky, Breathable etc. 平滑乾爽 · 透濕透氣
5. Flat and no curling 布料平坦不反捲

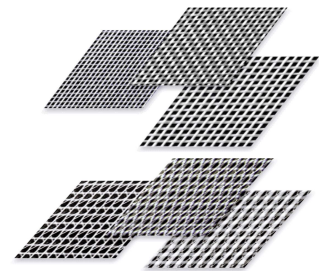
- **Tarpaulin 夾網膠皮**

- PVC Tarpaulin Properties 特性：

1. Poly 250D/500D/1000D Mesh or Nylon 210D/420D/840D
2. Strong tensile and tearing strength 高抗拉&撕裂強度
3. High bonding strength 高貼合牢度
4. Jointed by stitching/ gluing/ H.F. welding 接合方式：車縫/黏膠/高週波

- TPU Tarpaulin Properties 特性：

1. Strong mesh inside 高強力網布
2. Ultra high bonding strength 高貼合牢度
3. Ultra high tensile and tearing strength 高抗拉&撕裂強度
4. Available for H.F. welding / Logo heat embossing / Laser cutting  
可高週波接合/熱壓 Logo/雷射切割
5. Anti-crack (-70°C) 耐寒-70°C 不龜裂 (Ether type)
6. Environmental and Eco-friendly 環保產品



- **Advertising Products 廣告用布**
- **Billboard Used Film 廣告膠布 Size: 0.08mmx139cm or others**
  - Merits 優點：
    1. Anti-color fade for 3~5years 防褪色約 3~5 年
    2. Strong adhesive bonding 貼合牢度佳
    3. Rich colors 色彩豐富
    4. Less shrinkage 低縮收率
    5. Digital printing 可數位印刷
- **Inflatable Balloon 空飄氣球 Size: 0.15mmx150cm or others**
  - Merits 優點：
    1. With fabric 複合布料
    2. TPU backing and Weldable PU coating TPU & 可高週波膠塗層
    3. High tensile and tearing strength 高抗拉&撕裂強度
    4. H.F. welding 可高週波
    5. Printing workable 可印刷
- **Acrylic Sheet for Sign Board and Mirror 廣告招牌&鏡板用壓克力板**  
 Thickness (mm): 1.5, 2-6, 10, 12, 20, 25  
 Size: 1x2M, 3' x6' , 4' x8' , 4' x10' , 6' x10

## TPU Properties

TPU products have excellent performance and quality, because of its strong abrasion and puncture abilities, high water resistant, breathability, available in customized colors etc. TPU is widely used in garments, various kinds of backpacks, inflatable products, life raft, life-saving dry bags and safety jackets, even for food bags and medical materials.

TPU 產品因其絕佳性能及優良品質，不僅耐磨、耐穿刺、防水、有透濕功能及可依喜好調配各種顏色，被廣泛應用於成衣、各類包袋、充氣產品、救生筏及救生用的漂浮袋、救生衣等，甚至食品及醫療相關用品上。

- **Marine Appliance 海上運動用品**

- **Waterproof Bag, Diving Bag, Air Mattress, Safety Jacket**

防水袋、潛水袋、充氣床墊、救生衣

- Properties 特性：

1. TPU backing fabric with weldable PU coating and TPU 可高週波膠貼合
2. Strong bonding strength 貼合牢度佳
3. Dry surface 乾爽表層
4. H.F. welding 可高週波

- **Marine Vinyl           Size: 0.8mm x 139cm x 50Y per roll**

- Merits 優點：

1. With Anti-UV and Anti-Mildew 固色&防霉
2. H.F. welding 可高週波
3. Anti-color fade 防日光固色
4. Strong tensile and tearing strength 高抗拉&撕裂強度

- **Safety Jacket 救生衣**

- Merits 優點：

1. H.F. welding 可高週波
2. Strong bonding strength 貼合牢度佳
3. High tensile and tearing strength 高抗拉&撕裂強度
4. Air inflatable 可充氣
5. Eco-friendly product 環保產品

**Patent No. 207494**

- **Life Jacket Fabrics ( Pass ISO 12402 - 7 standard ) 救生衣**

**High tenacity nylon with ether TPU coated**

1. Tensile strength : warp - 1200N , weft - 1070N
2. Tearing strength : warp - 55N , weft - 45N
3. Adhesion : 140N / cm
4. Flexibility : over 9000 cycles
5. Pressure test : burst pressure 1.5 bar
6. Resistance to rubbing : dry - 5, wet - 5



## ● Heavy PU (HPU)

全世界走向綠色環保產品，目前工業用布的加工是以 PU 或 TPE 來取代不具環保材質的聚氯乙烯 (PVC)，本公司新研發的 HEAVY PU 不但是環保產品，並同時具有 PU 及 TPE 的共同優點而少了其缺點。

It has become a new trend to use green environmental products all over the world. Some industries only use fabrics with PU or TPE to replace the non-environmental material Polyvinyl-Chloride (PVC). Therefore, our company has developed HEAVY PU (HPU). It is not only an environmental product, but also shares the advantages of both PU and TPE.

### ➤ Characteristics 特性：

1. Perfect for replacing PU coating 取代 PU 布料的絕佳材質
2. Light weight: Half of PVC 輕量：只有 PVC 的一半重
3. Waterproof: 2,000 mm or above 水壓 2000mm 以上
4. Anti-hydrolysis 耐水解

## ● Hot Melt Film 熱熔膠膜

### ➤ Merits 優點：

1. Includes TPU film-hot melt film TPU 熱熔膠膜
2. Available in clear or colored film 可透明或有色生產
3. Easy to apply with iron, hot wind, or H.F. welding  
熨斗/熱風/高週波機台即可輕易使用

### ➤ Appliance 用途：

1. Fabric laminated with fabrics 可用於布貼布
2. Sleeping mattress 睡墊
3. Pressing the labels 熱壓標籤貼紙

● Seam Sealing Tape 止水條

Series	Thickness (mm)	Welding Temperature	Dry Clean
Seamless Film	0.05~0.15	130~160 °C	Available
Heat Transfer Film	0.10~0.20	120~150 °C	Available
Pure PU Seaming Tape	0.10~0.15	110~130 °C	Available
Fabric Seam Sealing Tape	0.15~0.30	120~150 °C	Available



● TPU Film and Sheeting 薄膜及膠膜

➤ Merits 優點 :

1. Yellowing resistance and Anti-U.V. additive 含耐黃變和抗 U.V.處理
2. Customized colored film and sheeting 可客製顏色生產
3. Prompt delivery 迅速交貨

Physical Properties	Ester Type				Ether type	
	80 ES	85 ES	90 ES	95 ES	85 EH	92 EH
Hardness A	80±2	85±2	90±2	95±2	85±3	92±3
Specification Gravity	1.2	1.21	1.2	1.23	1.19	1.11
Melting Point °C	130	138	145	140	130	140
Tensile Strength kg/cm <sup>2</sup>	331	309	559	280	427	300
300% Modulus kg/cm <sup>2</sup>	67	112	177	200	98	160
Elongation %	720	536	565	450	560	450
Color Yellowish 72hrs	Grade 4	Grade 4	Grade 4	Grade 4	Grade 4	Grade 4

➤ Merits 優點 :

1. Environmental and Non-toxic 環保無毒
2. Stronger welding strength 更好的高週波接合強度
3. Excellent Anti-abrasion and Anti-rubbing 耐磨性佳
4. Anti-Crack -30°C (Ester type) and -70°C (Ether type)  
耐寒 -30°C (酯類) & 耐寒 -70°C (醚類)

## ● Dry Bags Fabrics 防水袋布料

Fabrics coated with Ester or Ether TPU on backing and Weldable PU coating on surface.

背面做聚酯或聚醚 TPU 貼合&表面塗層高週波 PU

➤ Appliance 用途：

1. Diving bags and dry bags by H.F. welding. 高週波製潛水袋/防水袋
2. Inflatable products, such as safety bags, air mattress, air balloon etc.  
充氣產品, 如：救生袋, 充氣床墊, 廣告氣球等
3. Flotation device 救生漂浮袋

## ● Non-Slip Fabrics 止滑布

600D PES or other fabrics coated with colored TPU

➤ Merits 優點：

1. High strength in tensile, tear and bonding 高抗拉/撕裂/貼合強度
2. Anti – Abrasion 耐摩擦
3. Easy to clean 容易清洗

➤ Appliance 用途：

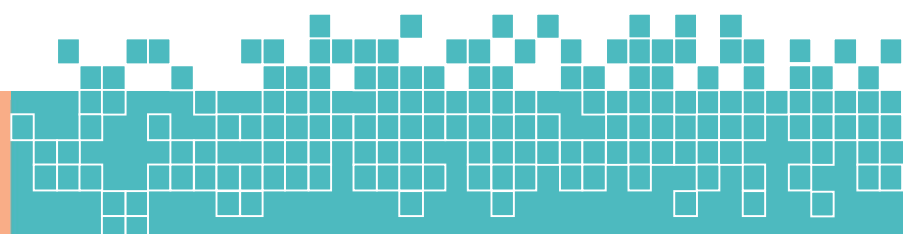
1. Bottom of bag or luggage 包袋及行李箱底材
2. Shoulder strap 肩帶
3. Gloves 手套

## ● S-Hypalon

Inner Fabric: High Tenacity Nylon 210D, 420D, 840D

➤ Merits 優點：

1. Eco-friendly, nontoxic and environmental 無毒/環保且對環境無害
2. High tensile, tearing, bonding strength 高抗拉/撕裂/貼合強度
3. Available for welding, laser cutting, logo heat embossing  
可高週波/雷射切割及熱壓 logo



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