



[www.tomlong.tw](http://www.tomlong.tw)

TPU COATED CUSTOMIZED FABRICS

**TOMLONG**  
Techstile Corporation



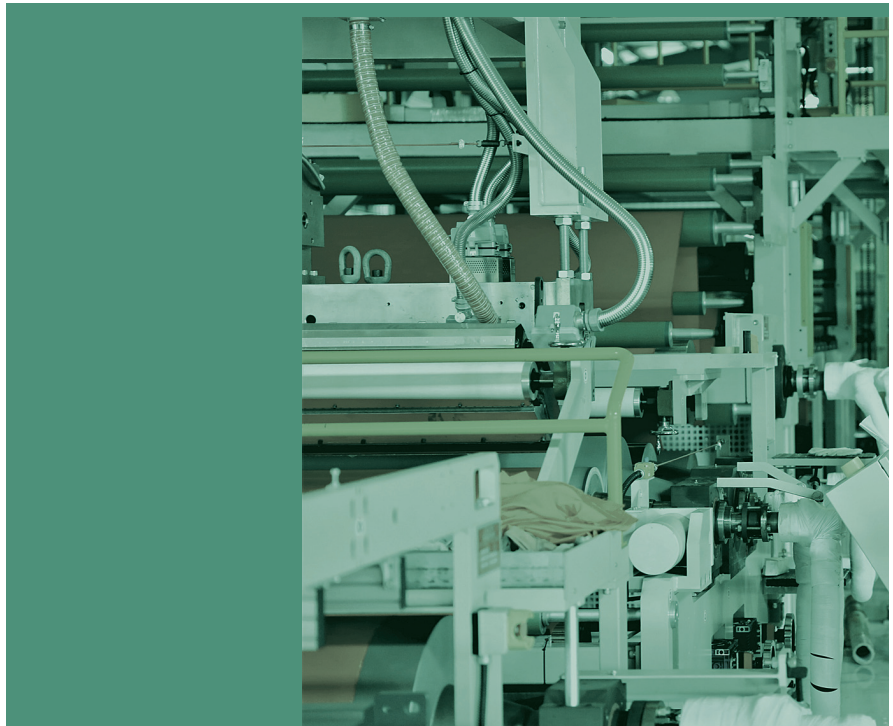
INSPIRED BY YOUR VISIONS





## COMPANY background

The thermoplastic polyurethane industry has been developing in Taiwan for several decades; however, due to a lack of qualified high-bonding laminators, there was a big gap between film makers and downstream manufacturers. To bridge this gap, **A GROUP OF EXPERIENCED PROFESSIONALS FROM THE TEXTILE, CHEMICAL AND ELECTRONIC INDUSTRIES** came together and formed **TOM-LONG Techstile** to meet the growing demands.





## Major Products

TPU LAMINATED FABRICS  
WELDABLE/SEALABLE FABRICS  
WATERPROOF FABRICS  
AIRTIGHT FABRICS



Distinct from other laminators in the garment fabrics industry,

**TOMLONG IS DEEPLY INVOLVED IN INITIAL DESIGN AND FINISH PRODUCT MAKING.**

After acting as the bridge between two fields for many years, our rich knowledge, high-quality technique and excellent service have established our reputation within many well-known brands in the outdoors, sport, marine, automobile, medical, military industries and more.





THE MISSION



MAKE  
IT  
WORK!

TOMLONG  
Techstile Corporation

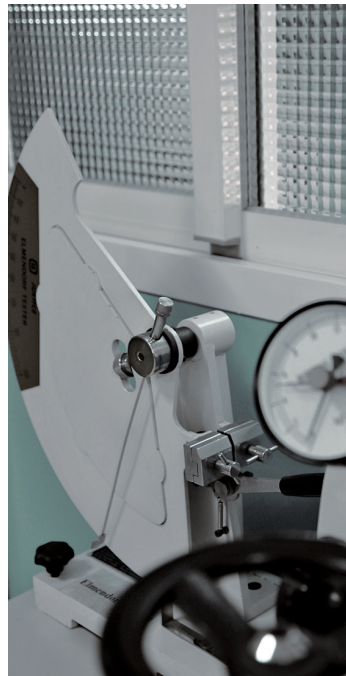




## COMPANY strength

Now, **TOMLONG** is not only specializing in high-bonding film lamination, but also provides **SOLUTIONS IN COMPOSITE MATERIAL**.

We have flexible manufacturing machines and we can laminate/coat diversified textiles such as nylon, polyester, n/t, cotton, n/c, recycled yarns, woven, knitted or non-woven materials. Most of our laminated/coated fabrics are designed for waterproof or inflatable devices, and our willingness to take on new challenges have earned us recognition as an innovative and technically-oriented company.



We embrace new challenges and are proud of our **STRONG R & D** in new materials and processes.

Our **HIGH PRODUCTION QUALITY** is one of the core values of **TOMLONG**.

With our top-of-the-line quality control inspection equipment, we ensure the best quality and fulfill our customers' needs.

We design specialized, custom-made products to meet our customers' unique needs.

**OUR STRENGTH IS VERY HIGH BONDING**, thin-layer TPU that remains **LIGHT WEIGHT**. **You have an idea, we have the know-how and the equipment to help you turn it into reality.**





MAIN  
applications





## INFLATABLE ITEMS



We specialized in airtight materials, therefore many of our products are suitable for inflatable devices, such as

- \_ watersports items e.g. tube, SUP, boats
- \_ mattresses, seating pads
- \_ search & rescue equipment e.g. avalanche airbag, balloon, life vest

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MAIN  
applications







## WATERPROOF PRODUCTS

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Most of our laminated/coated fabrics are waterproof, uses include:

- \_ dry bags
- \_ vehicle covers (boat covers, car covers)
- \_ tent floor fabrics

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MAIN  
applications





## LIGHTWEIGHT MATERIALS



Another strength of our experienced engineers is thin layer TPU – special light weight material with many uses like

- \_ bags
- \_ backpacks & packs
- \_ kites

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MAIN  
applications





TANKS

4

TPU

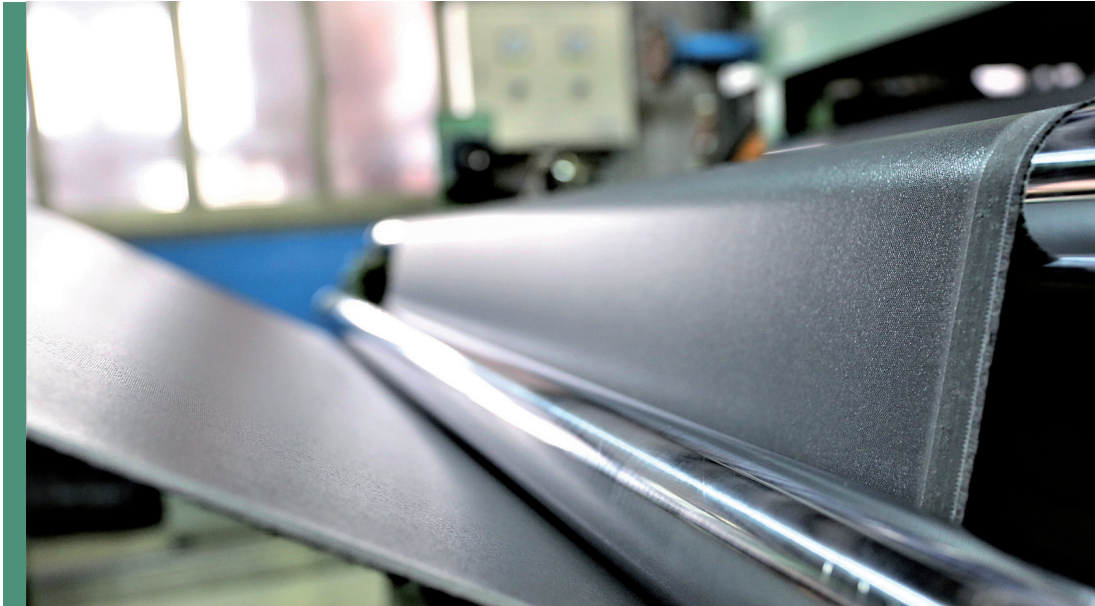
...an extremely flexible material adaptable to dozens of uses.

TOMLONG





## TPU properties



**TPU**  
...AN EXTREMELY  
FLEXIBLE MATERIAL  
ADAPTABLE TO  
DOZENS OF USES.

Thermoplastic Polyurethane (TPU) is a highly versatile elastomer with unique properties that offers both superior performance and flexibility. TPU is the ideal polymer for applications in a wide variety of markets.

### TPU properties:

- High abrasion resistance
- High elasticity across the entire hardness range
- Excellent low-temperature and impact strength
- Resilience to oils, greases and numerous solvents
- Good flexibility over a wide temperature range
- Robust weather and high-energy radiation resistance
- Pleasant tactile properties
- Suitability for bonding and welding
- Can be easily colored/dyed
- Recyclability



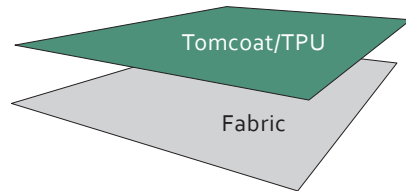


## PROCESS types

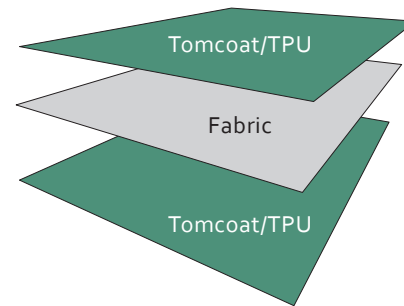
### COATING/ LAMINATING

We provide two types of processes: coating a thin layer of PU (**Tomcoat™**) on fabric, or laminating a layer of TPU film of varying thickness on fabric.

#### Single layer:



#### Double layers (sandwich):



The materials can be PU/TPU or any other thermal polymer materials.  
The process can be one layer, two layers and multi-layers (for example: film/fabric/film/fabric).  
There are many possibilities – just tell us your needs!

### FOR SPECIAL ORDERS:

We can accommodate your unique requirements without ever sacrificing bonding strength, and help our customers push their innovative products to the limit.

For example: the **ELASTIC FABRICS** in inflatable products need to retain their flexibility and durability, and **our low-temperature process keeps the material lightweight, yet maximizes fabric strength.**

**You tell us your needs, and we provide the solution.**



# TOMLONG





# TOMLONG

Techstile Corporation

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