

S. I. TEXTILE CO., LTD.
NO.35, LN. 378, SEC. 2, YONGXING RD., WUQI DIST.,
TAICHUNG CITY, TAIWAN R.O.C.
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About S.I. Textile Co., Ltd.

S.I. Textile relies on years of manufacturing foundation and high-quality manufacturing, and the spirit of excellence, specializing in the production and sales of PP meltblown nonwoven, PP spunbond, Nylon ear loop, PE nose band for making the materials of the face masks. S.I. Textile provides integrated services such as foreign trade, professional technology, and high-quality manufacturing for the medical industry. We have rich experience in overseas market, offers fast and accurate delivery regardless of the domestic market or the foreign market.

Melt-Blown Non-woven

HS CODE: 5903.90.90.00-0

● Introduction:

Meltblown non-woven fabric is the heart of the mask diserses and melts the PP plastic through high-speed hot air. It mainly takes polypropylene as the main raw material. With many voids,- fluffy structure and good anti-fold ability, as well as ultrafine fibers with unique capillary struture that can increase the number and surface area of per unit fibers area, the melt-blown non-woven fabric has good filtration, shielding,adiabatic and oil absorption.

* Applications:

- Medical hygiene materials
- Air filter materials
- Mask filter materials
- Thermal insulation materials
- Oil absorption materials
- It has strong and long-lasting electrostatic adsorption capacity.

● Specification both for width and weight can be customized according to client needs:

- Width : standard width 175mm , S.I. Textile can be also customized the width from 120mm - 300mm
- Basis Weight : 10gsm , 15gsm , 20gsm , 25gsm , 30gsm , 35gsm , 40gsm , 45gsm , 50gsm

*** Origin:**

- Taiwan

● **Certifications:**

Through tests of BFE (Bacterial Filtration Efficiency), PFE (Particle Filtration Efficiency), air exchange pressure difference, etc., the test results show that S.I. TEXTILE melt blown non-woven fabric fits the specifications of the mask.

Attached the related test report like TTRI, SGS, MSDS.



TTRI 財團法人紡織產業綜合研究所
Taiwan Textile Research Institute

Date: Oct. 07, 2020 Date of Receipt: Sep. 15, 2020 TEST REPORT TUCHENG ORIGINAL

Report No.: TFP9278-C Quantity: 1PC Page Order/Page: (P1/2) Ref. No.: NIL
Report Title: S. I. TEXTILE CO., LTD. (U3059) Item: Filter Media
Address: No. 35, Ln. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Item	Test Results	Test Methods
Bacterial Filtration	99.9	ASTM F2100-2019 9.1
Efficiency (99%)	99.9	ASTM F2100-2019
Endotoxin Index	99.9	
ATC 45%	99.9	
	99.9	

Note: General average: 200 CFU.
Note: Mean particle size: 3.0 µm.
Note: Testing under control of temperature.
Note: Testing area: 30.5 m².
Note: Flow rate: 28.1 L/min.
Note: Sample description is given by the client: Melblown NO.859

TTRI 財團法人紡織產業綜合研究所
Taiwan Textile Research Institute

Date: Oct. 07, 2020 Date of Receipt: Sep. 15, 2020 TEST REPORT TUCHENG ORIGINAL

Report No.: TFP9159 Quantity: 1PC Page Order/Page: (P1/2) Ref. No.: NIL
Report Title: S. I. TEXTILE CO., LTD. (U3059) Item: Filter Media
Address: No. 35, Ln. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Item	Test Results	Test Methods
Sub-Micron Particulate	98.49	ASTM F2100-2019 9.3
Filtration Efficiency(%) (0.1µm PSL)	98.28	ASTM F2100-2017
	98.28	Flow rate:28.1
	98.28	(Liter/min)
Ave.	98.33	

Note: Sample description is given by the client: Melblown NO.859

TTRI 財團法人紡織產業綜合研究所
Taiwan Textile Research Institute

Date: Oct. 07, 2020 Date of Receipt: Sep. 15, 2020 TEST REPORT TUCHENG ORIGINAL

Report No.: TFP9159-A Quantity: 1PC Page Order/Page: (P1/2) Ref. No.: NIL
Report Title: S. I. TEXTILE CO., LTD. (U3059) Item: Filter Media
Address: No. 35, Ln. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Item	Test Results	Test Methods
Air Exchange Pressure	2.5	ASTM F2100-2019 9.2
(mmH ₂ O/cm)	2.1	EN 14683-2019 Annex C
	2.7	
	1.8	
	1.8	

Note: 1mmH₂O=9.8Pa.
Note: Air Exchange Pressure takes 5 profile for testing.
Note: Sample description is given by the client: Melblown NO.859

TTRI 財團法人紡織產業綜合研究所
Taiwan Textile Research Institute

Date: Oct. 16, 2020 Date of Receipt: Sep. 26, 2020 TEST REPORT TUCHENG ORIGINAL

Report No.: TFP91840 Quantity: 2PC Page Order/Page: (P1/3) Ref. No.: NIL
Report Title: S. I. TEXTILE CO., LTD. (U3059) Item: Filter Media
Address: No. 35, Ln. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

TTRI 財團法人紡織產業綜合研究所
Taiwan Textile Research Institute

Date: Oct. 07, 2020 Date of Receipt: Sep. 15, 2020 TEST REPORT TUCHENG ORIGINAL

Report No.: TFP91519-B Quantity: 1PC Page Order/Page: (P1/2) Ref. No.: NIL
Report Title: S. I. TEXTILE CO., LTD. (U3059) Item: Filter Media
Address: No. 35, Ln. 378, Sec. 2, Yongxing Rd., Wuqi Dist., Taichung City 435, Taiwan (R.O.C.)

Test Item	Test Results	Test Methods
Flammability (per Received)	DN1	ASTM F2100-2019 9.5 CPC 16 CFR 1610-2006

Note: Flammability takes 20 samples for testing.
Note: "DN1": Did Not Ignite.
Note: Sample description is given by the client: Melblown NO.855

Test Items	Test Results		Test Methods	
	A	B		
Sub-Micron Particulate	1	98.03	98.00	ASTM F2100-2019 9.3
Filtration Efficiency(%) (0.1µm PSL)	2	98.09	97.50	ASTM F2100-2017
	3	97.92	97.48	Flow rate:28.1
	4	98.00	97.55	(Liter/min)
	5	98.04	97.48	
Ave.		98.02	97.60	
Air Exchange Pressure (mmH ₂ O/cm)	1	2.1	2.5	ASTM F2100-2019 9.2
	2	2.1	2.4	EN 14683-2019 Annex C
	3	1.9	2.7	
	4	2.4	2.1	
	5	2.2	2.1	

Note: 1mmH₂O=9.8Pa.
Note: Air Exchange Pressure takes 5 pieces for testing.
Note: Sample description is given by the client: A. NO. 1065
B. NO. 1065 Aging test 100°Cx8h
Note: The test report is the test results issued by the testing institution as requested by the consignee, it shall not determine the legitimacy of the product.

* TSI Automated Filter Tester 8130 :

S.I. Textile has the fully and higher standard testing equipment for TSI Automated Filter Tester 8130 to assure our melt-blown quality on the Air Exchange Pressure and Sub-Micro Particulate Filtration Efficiency (PFE) % on QC each roll during production.





Environmental PE Transformable Plastic Wire

HS CODE: 7326.20.00.90-0

● Introduction:

Transformable Plastic Wire is made by purified polyethylene (PE). It is eco-friendly, recyclable and safe for use. The wire is 100% polymer made. Compare to metal blend wire, it is more stable and able to do proper recycle when processing. In addition, the wire is flat shaped, with high forming and processing ability. It can be bent, formed and transformed without deformation at will. Magical Transformable Plastic Wire surely can be the substitution of coated metal and metal blend wire.

● Characteristics:

- Purified Polyethylene made
- Light Weighted
- Recyclable
- Excellent transforming ability
- Non Toxic

* Specification:

- 0.70mm(Thickness)*3mm(width)*2000m(length) About 4KG per roll.
- 0.70mm(Thickness)*5mm(width)*1600m(length) About 5KG per roll.

● Applications:

- Medical essentials such as nose wire of mask
- Decorating and Packaging
- Stationery , cable tie
- Woven good and textile
- Hand-made stuff

* Origin:

- Taiwan



Nylon Ear Loop

HS CODE: 5806.20.90.00-3

- **Introduction:**

S.I. Textile is a Taiwan based manufacture. We provide high quality of Nylon Ear loop which can be applied on mask and medical material.

- **Characteristics:**

Cozy and light

- **Specification:**

3.0mm Nylon Earloop

3.5mm Nylon Earloop

4.0mm Nylon Earloop

- **Applications:**

Medical material: face mask

* **Origin:**

- Taiwan





● Color Options:





PP Spun-bond Hydrophobic nonwoven Outer Layer

PP Spun-bond Hydrophobic nonwoven Inner Layer

HS CODE: 5603.11.90.00-9

- Introduction :

S.I. Textile non woven is made by PP (Polypropylene), has optimum support, waterproof, hydrophobic, anti-blood permeation, etc.

- Characteristics:

waterproof, water repellent
anti-blood permeation
optimum support
Anti-droplet

- Specification both for width and weight can be customized according to client needs:

20GSM*200MM*2000M , NW 8.0kgs/roll
25GSM*200MM*1500M , NW 7.5kgs/roll
30GSM*175MM*1500M , NW 8.2kgs/roll
40GSM*175MM*1500M , NW 10.5kgs/roll
50GSM*250MM*1000M , NW 12.5kgs/roll

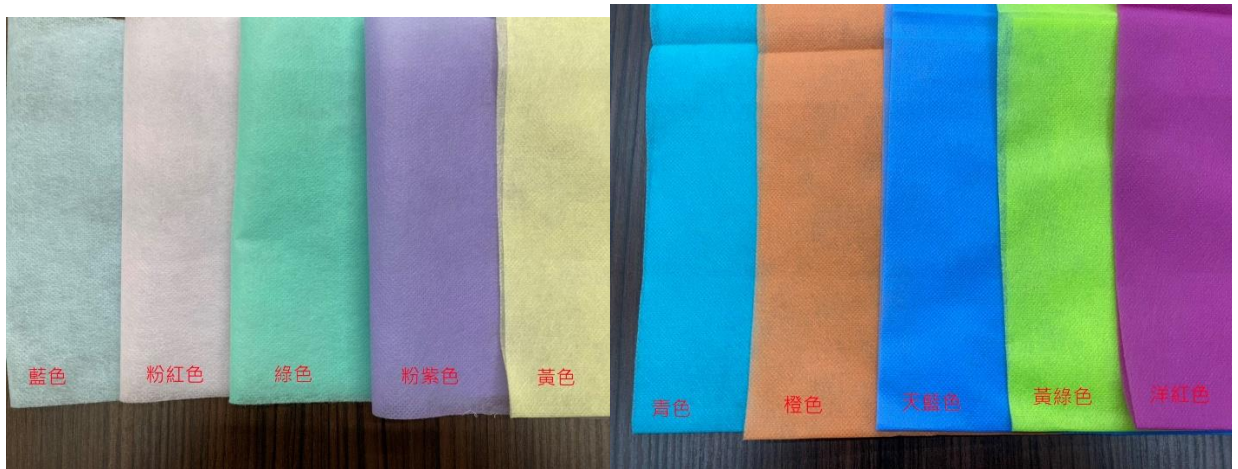
- Applications:

Medical material: surgical mask, scrub

* Origin:

- Taiwan

● Color Options:



PET Hydrophobic nonwoven for Outer Layer

HS CODE: 5603.11.90.00-9

- Introduction :

S.I. Textile non woven is made by PET hydrophobic for outer layer repels liquid for protection. Colors are available upon requests.

- Characteristics:

Anti-virus / Anti-Viral treatments are available.

RoHS Certified. Does not contain any harmful substances.

- Specification:

30GSM*175MM*1500M , NW 7.8kgs/roll

40GSM*175MM*1500M , NW 10.5kgs/roll

- Applications:

hydrophobic outer layer for mask

* Origin:

- Taiwan



- **Color Options:**



100% Bicomponent ES Fiber Skin-Friendly Layer (PP+PE)

HS CODE: 5603.11.90.00-9

- **Introduction:**

S.I. Textile is a Taiwan based manufacture. We provide high quality of 100% Bicomponent ES Fiber for comfortable inner layer.

- **Characteristics:**

100% Bicomponent ES Fiber (PP+PE)
Calander Bonding
Light Bonding Dot

- **Specification:**

Width : From 2cm up to 160cm
Basis Weight : 20gsm up to 60gsm
Color: White

- **Applications:**

Medical material: face mask for comfortable inner layer

*** Origin:**

- Taiwan

