



### 貼合膠膜檢驗結果

#### 美規檢驗合格報告

ART NO.	COMPOSITION	CLASSIFICATION
PTT	T75DxT75D / 120Tx92T PLAIN POLY:100% 可貼條	AAMI PB70 LEVEL 4 AATCC 42-Water penetration $\leq 1.0g$ AATCC 127 - Hydrostatic Pressure $\geq 50cm$ water column  EN14126 CLASS 6 ISO 16603(Blood) & 16604 (Viral) No Penetration at 20kPa

#### 歐規檢驗合格報告(最高規格)

**Test Report**

Tests Conducted (As Requested By The Applicant)

Number: TWNT01815209-S1

- 1 Determination Of The Resistance Of Protective Clothing Materials To Penetration By Blood And Body Fluids Using Synthetic Blood

As per applicant's request with reference to **EN 14126 : 2003 / ISO 16604:2004.**

Challenge Liquid	: Synthetic Blood
Specimen Exposure Procedure	: D
Retaining Screen Type	: Metal Screen
Surface Tension Of The Synthetic Blood	: 0.042±0.002 N/m
Test Samples	: Submitted samples (3 pieces of 75mm x 75mm)
Average Thickness Of Test Specimens <sup>#1</sup>	: 0.17 mm
Average Weight Of Test Specimens <sup>#2</sup>	: 108 g/m <sup>2</sup>
The highest pressure applied (No penetration)	: 20 kPa

Result :

Specimen	Thickness (mm)	Result	Rating
1	0.17	Penetration Does Not Appear	Pass
2	0.17	Penetration Does Not Appear	Pass
3	0.17	Penetration Does Not Appear	Pass

Remarks: mm = Millimeter  
 g/m<sup>2</sup> = Gram per square meter  
 N/m = Newton/meter  
 #1 = According to test method ISO 5084  
 #2 = According to test method ISO 3801  
 Procedure D = Pressure and time sequence-  
 0 kPa for 5 min, followed by 1.75 kPa for 5 min, followed by 3.5 kPa for 5 min, followed by 7 kPa for 5 min, followed by 14 kPa for 5 min, followed by 20 kPa for 5 min

631/bella

**Intertek Testing Services Taiwan Ltd.**  
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Signed by:

*Thomas Chou*

Thomas Chou  
Manager

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**Test**

Applicant:

Intertek Testing Services  
 8F., No. 423, Ruiguang Rd., Neihu District, Taipei 11492, Taiwan, R.O.C.

Sample Description :

**One (1) piece of submitted sample said to be w**

Applicant's Provided Care Instruction/Label : -

Date Received/Date Test Started : May 18, 2020  
 Standard : -  
 Style/Article No. : -  
 Order No. : -  
 Mill : -  
 Buyer's Name : -  
 Agent's Name : -  
 Brand Name : -  
 Ref. : -

Authorized By:  
 On behalf of Intertek Testing Services  
 Taiwan Limited

Carol Peng  
General Manager

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沒有出現滲透

通過

Penetration Does Not Appear	Pass
Penetration Does Not Appear	Pass
Penetration Does Not Appear	Pass

**Test Report**

Tests Conducted (As Requested By The Applicant)

Number: TWNT01815209-S1

- 2 Determination Of Resistance Of Protective Clothing Materials To Penetration By Blood-Borne Pathogens Using Phi-X174 Bacteriophage

As per applicant's request with reference to **EN 14126 : 2003 / ISO 16604:2004.**

Sterilization On Samples	: No sterilization
Bacteriophage	: Phi-X174, ATCC 13706-B1
Specimen Exposure Procedure	: D
Retaining Screen Type	: Metal Screen
Compatibility Ratio	: 1.1
Loss Of Phi-X174 Bacteriophage Challenge Titer	: 1.8 x 10 <sup>6</sup> PFU/ml
Surface Tension	: 0.042±0.002 N/m
Test Sample	: Submitted Samples (3 Pieces) Of 75mm x 75mm)
Average Thickness Of Test Specimens <sup>#1</sup>	: 0.17 mm
Average Weight Of Test Specimens <sup>#2</sup>	: 108 g/m <sup>2</sup>

Result :

Specimen	Thickness (mm)	Result	Rating
1	0.17	Penetration Does Not Appear	Pass
2	0.17	Penetration Does Not Appear	Pass
3	0.17	Penetration Does Not Appear	Pass

Remarks: mm = Millimeter  
 g/m<sup>2</sup> = Gram per square meters  
 PFU/ml = Plaque forming unit per milliliter  
 N/m = Newton/meter  
 #1 = According to test method ISO 5084  
 #2 = According to test method ISO 3801  
 Procedure D = Pressure and time sequence-  
 0 kPa for 5min, followed by 20 kPa for 5 min

Class	Exposure Pressure (No Penetration)(kPa)
6	20.0
5	14.0
4	7.0
3	3.5
2	1.75
1	0.0

最高規格等級  
"20"

End of Report

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# 一、生化感染阻隔防護紡織品應用評估

## (2). EN 14126-微生物感染阻隔防護衣的檢測及規格(目前未獨立CE)

EN 14126標準測試中採用的傳染性介質和COVID-19新型冠狀病毒的大小比較			
測試描述	測試標準	傳染性介質類型	大小
血源性病原體(Phi-X174噬菌體)耐壓穿透測試	噬菌體穿透性 ISO 16604	Phi-X174 噬菌體	0.027µm
物理性接觸污染性液體物質穿透測試	濕式細菌穿透性 EN ISO 22610	金黃色葡萄球菌	≤1.0µm
抵抗微生物氣溶膠穿透測試	生物感染性氣膠穿透性 ISO 22611	金黃色葡萄球菌	≤1.0µm
抵抗乾態微生物穿透測試	乾式細菌穿透性 ISO 22612	枯草芽孢桿菌	4-10µm(長) 0.25-1.0µm(直徑)
新型冠狀病毒COVID-19			0.125µm

註：EN ISO 22610已經取代了標準中引用的測試方法(EN 14126:附錄A)

**Test Report**

Number: TWNT01815209-S1

Tests Conducted (As Requested By The Applicant)

Mr. Tai Determination Of Resistance Of Protective Clothing Materials To Penetration By Blood-Borne Pathogens Using Phi-X174 Bacteriophage  
As per applicant's request with reference to **EN 14126 : 2003/ ISO 16604:2004.**

Sterilization On Samples	: No sterilization
Bacteriophage	: Phi-X174, ATCC 13706-B1
Specimen Exposure Procedure	: D
Retaining Screen Type	: Metal Screen
Compatibility Ratio	: 1:1
Loss Of Phi-X174 Bacteriophage Challenge Titer	: 1.8 x 10 <sup>8</sup> PFU/ml
Surface Tension	: 0.042±0.002 N/m
Test Sample	: Submitted Samples (3 Pieces)
Average Thickness Of Test Specimens <sup>#1</sup>	: 0.17 mm
Average Weight Of Test Specimens <sup>#2</sup>	: 108 g/m <sup>2</sup>

以噬菌體做檢測 0.027um  
三次檢測通過測試  
新冠病毒的大小0.125um  
遠遠大過噬菌體大小  
所以更是一定能通過防護

Result :

Specimen	Thickness (mm)	Result	Rating
1	0.17	Penetration Does Not Appear	Pass
2	0.17	Penetration Does Not Appear	Pass
3	0.17	Penetration Does Not Appear	Pass

Remarks: mm = Millimeter  
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#1 = According to test method ISO 5084  
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0 kPa for 5min, followed by 20 kPa for 5 min

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The highest pressure applied (No penetration)	: 20 kPa

Class	Exposure Pressure (No Penetration)(kPa)
6	20.0
5	14.0
4	7.0
3	3.5
2	1.75
1	0.0

測試歐規 EN14126 Class 6

(血液與病毒在壓力20kpa 下不穿透才能 PASS)

Result :

Specimen	Thickness (mm)	Result	Rating
1	0.17	Penetration Does Not Appear	Pass
2	0.17	Penetration Does Not Appear	Pass
3	0.17	Penetration Does Not Appear	Pass

這是表示在20Kpa壓力下、三次檢驗全通過

Remarks: mm = Millimeter  
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