VICSA SAFETY PERU S.A.C
AV.SANTA ROSA NRO.350,ATE,LIMA PERU

Sample Description	:	Breathable film protective clothing (disposable)
Style No.	:	S110 - STEELPRO
Composition	:	58% polypropylene 42%polyethylene
Size	:	S/ M /L /XL /XXL
Sample Color	:	white
End Use	:	Protection
Country of Origin	:	China
Proposed Care Instruction	:	-
Test Performed	:	Selected test(s) as requested by applicant
Sample Receiving Date	:	Jun 29, 2020
Testing Period	:	Jul 01, 2020 - Jul 13, 2020
Test Result(s)	:	Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3rd Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Test Result

Tensile Strength

(EN ISO 13934-1:2013; Strip method)

-	Unit	(A)
Warp/Length	N	64
Weft/Width	N	42

Seam Strength

(EN ISO 13935-2:2014;)

-	Unit	(A)
Sleeve Seam	N	66(F.T.S.)
Shoulder Seam	N	62(F.T.S.)
Armhole Seam	N	88(F.R.)
Inside Seam	N	56(F.T.S.)
Backrise Seam	N	55(F.T.S.)

Remark:

F. R. = Fabric Rupture
F.T.S. = Fabric tear at seam

Water Vapour Transmission

(ASTM E96/E96M-16; Test Condition: Procedure B - Water Method at 73.4℉ (23℃) & 50±2% RH; Orientation: Back Side Facing To Water)

As Received

-	Unit	(A)
Water Vapour Transmission	g/24h/m²	948

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd. Testing Center
检验检测专用章 Inspection & Testing Services
3rd Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Ultraviolet Protection Factor (UPF)

(AATCC TM 183-2014; Test Conditions
1) Air temperature: 21±1oC
2) Relative humidity: 65±2% R.H.
3) Orientation of test specimen: Specimens were clamped on sample holder. Fabric face side is facing the incident UV light.
4) Test conducted in wavelength range 280-400 nm
5) Instrument: UV-VIS Spectrophotometer
6) No. of Scans: 6)

(A)	Unit	Dry Evaluation
As Received		
Mean Ultraviolet Protection Factor (UPF)	No Unit	3
Standard Deviation	No Unit	0.1
Standard Error	No Unit	0.1
UPF Rating	No Unit	0
Protection Category	No Unit	Unclassified
Percent Transmittance, T (UV-A)	%	37.79
Percent Transmittance, T (UV-B)	%	31.47
The Percent Blocking, UV-A	%	62.21
The Percent Blocking, UV-B	%	68.53

Remarks :
1. Refer to ASTM D6603, the UV protection category is determined by the UPF values,
UPF 40 or greater Excellent UV Protection
UPF in between 25 to 39 Very Good UV Protection
UFP in between 15 to 24 Good UV Protection
UPF less than 15 Unclassification

2. Ultraviolet Protection Factor (UPF) is the ratio of the average effective ultraviolet radiation (UV-R) irradiance transmitted and calculated through air to the average effective UV-R irradiance transmitted and calculated through fabric.

3. The limits of the spectral range of ultraviolet radiation are not well defined and may vary according to the user. Committee E-2.12 of the International Commission on Illumination (CIE) distinguishes in the spectral range between 400 and 100 nm :
UV-A : 315 - 400 nm
UV-B : 280 - 315 nm
UV-R : 280 - 400 nm

4. This method can also be used to determine the UPF of the fabrics in a stretched state. However, the techniques for stretching the specimens are not part of this method and are addressed in a separate test procedure. It must be noted that stretching the specimens could change the UPF properties.

5. The listed protection category is for reference only, the market claims for labeling UV-Protection product shall follow "Standard Guide For Labeling UV-Protection Textiles" as stated in ASTM D6603.
Wet Evaluation was not conducted due to no water pick-up of the specimen after submerged in water for 30 mins

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd. Testing Center

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
3rd Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Smoothness Appearance Of Fabrics After Repeated Home Laundering

(AATCC TM 124-2018;)

As Received

-	Unit	(A)
SA Rating	-	3.5

Remark:
Rating Description
SA – 5 Equivalent to the SA – 5 Replica. Very smooth, pressed, finished appearance.
SA – 4 Equivalent to the SA – 4 Replica. Smooth, finished appearance.
SA – 3.5 Equivalent to the SA – 3.5 Replica. Fairly smooth but non-pressed appearance.
SA – 3 Equivalent to the SA – 3 Replica. Mussed, non-pressed appearance.
SA – 2 Equivalent to the SA – 2 Replica. Rumpled, obviously wrinkled appearance.
SA – 1 Equivalent to the SA – 1 Replica. Crumpled, creased and severely wrinkled appearance.

Abrasion Resistance

(EN 530:2010; Method 2, Martindale Abrasion & Pilling Tester, Pressure: 9kPa, with glasspaper F2 grift 100)

-	Unit	(A)
Endpoint	Rubs	5

Determination Of Resistance to Damage By Flexing

(EN ISO 7854:1997, Method B; Test Direction:Width direction 50000 revolutions)

-	Unit	(A)
Description of Damage	-	no change
Depth of Cracking	-	NIL
Length of Cracks	mm	0
Number of Cracks	-	0
Delamination in Appearance	-	none

Remark:
Grading for Depth of crack section:
Nil – No cracking
A – Surface or finish crack, not exposing the cellular or middle layer
B – Cracking into but right through the middle layer, or, in the case of single- layer
C – Cracking through to the base fabric
D – Cracking right through the material

Puncture Resistance*

(EN 863-1996(R2002))

(A)	#1	#2	#3	#4	Ave.
Puncture Strength (N)	4	5	5	4	4

*The test method is not in CNAS accredited scope

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd. Testing Center
检验检测专用章 Inspection & Testing Services
3rd Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Blocking Resistance

(ISO 5978:1990)

Test conducted on 5.0 kg loading, expose for 3 hours at 70±2℃, cooling for 1 hour

Assembly	(A) Rating for resistance to blocking
- Back to back:	No blocking
- Face to face:	No blocking
- Back to face:	No blocking

Remark:
Evaluate the resistance of the specimen to blocking by the scale given below:

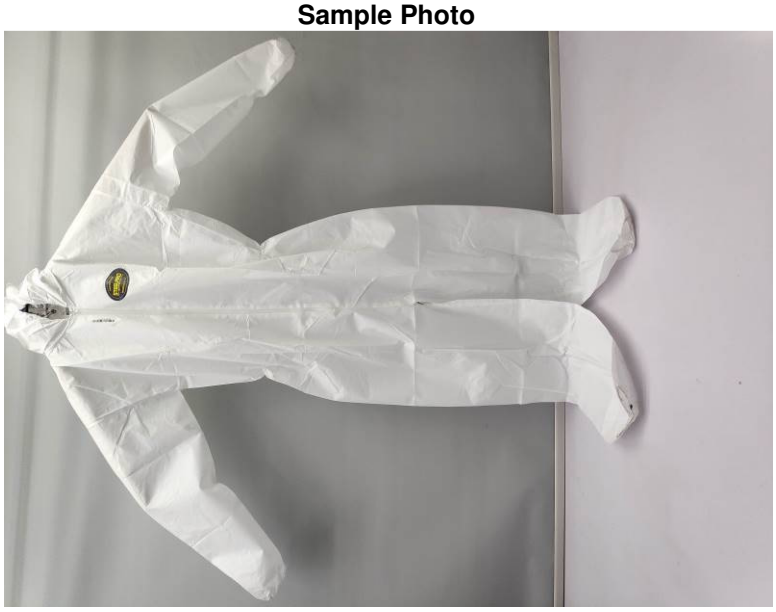
1. No blocking: Coated surfaces separate without any evidence of adhering;
2. Slight blocking: Some adherence of coated surfaces takes place on separation, but without detriment to the coating;
3. Blocking: Coated surfaces are difficult to separate; the coating or part of the coating is removed during separation.

Tearing Strength

(ISO 9073-4:1997; Trapezoid tear)

-	Unit	(A)
Warp	N	48
Weft	N	30

Sample Photo



End of Report

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd. Testing Center
检验检测专用章 Inspection & Testing Services
3rd Building,No.889,Yishan Road,Xuhui District Shanghai,China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com