



**Test Report**

No. NJSL1601000443TX

Date: Jan 11, 2016

Page 1 of 10

MARITEX SPA  
EI SALTO#1979, CHILE

**THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO.NJSL1512024113TX DATE: Dec 31, 2015 ISSUED BY SGS (NANJING)**

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Woven fabric: 100%nylon in black for adult's garment  
(B) Woven fabric: 100%nylon in beige for adult's garment  
(C) Woven fabric: 100%nylon in grey for adult's garment  
(D) Woven fabric: 100%nylon in green for adult's garment

Style No. : pant outdoor (MEN)  
Supplier : SOCIEDAD IMPORTADORA MARITEX LTD  
Country Of Destination : Chile

Sample Receiving Date : Dec 23, 2015  
Test Performing Period : Dec 28, 2015 – Dec 31, 2015  
Test Performed : Selected tests as requested by applicant.

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).

Conclusion	(A)	(B)	(C)	(D)
Ultraviolet Protection Factor / UPF	M	M	M	M

Remarks: M=Meet Client's Requirement

Signed for and on behalf of  
SGS-CSTC Ltd.

*Catherine Liu*  
Catherine Liu (Account Executive)



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As Received

(B)

	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>	
Mean Ultraviolet Protection Factor (UPF) :	415	458	
Standard Deviation :	45.8	93.3	
Rated UPF :	50+	50+	Min.45
Protection Category	Excellent	Excellent	
Percent Transmittance, T (UV-A) :	0.22	0.25	
Percent Transmittance, T (UV-B) :	0.22	0.20	
The Percent Blocking, UV-A :	99.78	99.75	
The Percent Blocking, UV-B :	99.78	99.80	

Test was conducted in wavelength range : 280 – 400 nm

Instrument : UV – Vis Spectrophotometer model

No. of Scans : 6

Remarks :

- (1) 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.
- (2) 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
- (3) This method can also be used to determine the UPF of wet and/or stretched fabrics. However, the techniques for wetting and/or stretching the specimens are not part of this method and are addressed in a separate test procedure. It must be noted that wetting and/or stretching the specimens could change the UPF properties.
- (4) Refer to ASTM D6603-11, 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
UPF in between 15 to 25	Good UV Protection
UPF less than 15	Unclassification
- (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 D6603-11

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As Received

(C)

	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>	
Mean Ultraviolet Protection Factor (UPF) :	509	547	
Standard Deviation :	78.5	37.6	
Rated UPF :	50+	50+	Min.45
Protection Category	Excellent	Excellent	
Percent Transmittance, T (UV-A) :	0.19	0.19	
Percent Transmittance, T (UV-B) :	0.18	0.16	
The Percent Blocking, UV-A :	99.81	99.81	
The Percent Blocking, UV-B :	99.82	99.84	

Test was conducted in wavelength range : 280 – 400 nm

Instrument : UV – Vis Spectrophotometer model

No. of Scans : 6

Remarks :

- (1) 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.
- (2) 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
- (3) This method can also be used to determine the UPF of wet and/or stretched fabrics. However, the techniques for wetting and/or stretching the specimens are not part of this method and are addressed in a separate test procedure. It must be noted that wetting and/or stretching the specimens could change the UPF properties.
- (4) Refer to ASTM D6603-11, 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
UPF in between 15 to 25	Good UV Protection
UPF less than 15	Unclassification
- (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 D6603-11



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As Received

(D)

	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>	
Mean Ultraviolet Protection Factor (UPF) :	520	532	
Standard Deviation :	49.7	42.1	
Rated UPF :	50+	50+	Min.45
Protection Category	Excellent	Excellent	
Percent Transmittance, T (UV-A) :	0.15	0.17	
Percent Transmittance, T (UV-B) :	0.18	0.17	
The Percent Blocking, UV-A :	99.85	99.83	
The Percent Blocking, UV-B :	99.82	99.83	

Test was conducted in wavelength range : 280 – 400 nm

Instrument : UV – Vis Spectrophotometer model

No. of Scans : 6

Remarks :

- (1) 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.
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  - UV-A : 315 – 400 nm
  - UV-B : 280 – 315 nm
  - UV-R : 280 – 400 nm
- (3) This method can also be used to determine the UPF of wet and/or stretched fabrics. However, the techniques for wetting and/or stretching the specimens are not part of this method and are addressed in a separate test procedure. It must be noted that wetting and/or stretching the specimens could change the UPF properties.
- (4) Refer to ASTM D6603-11, 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
UPF in between 15 to 25	Good UV Protection
UPF less than 15	Unclassification
- (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 D6603-11

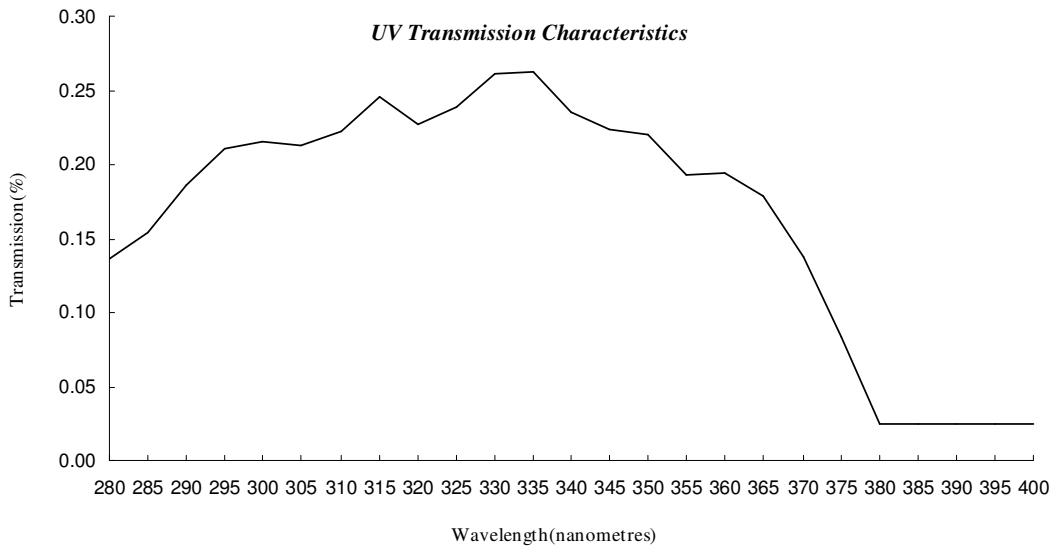
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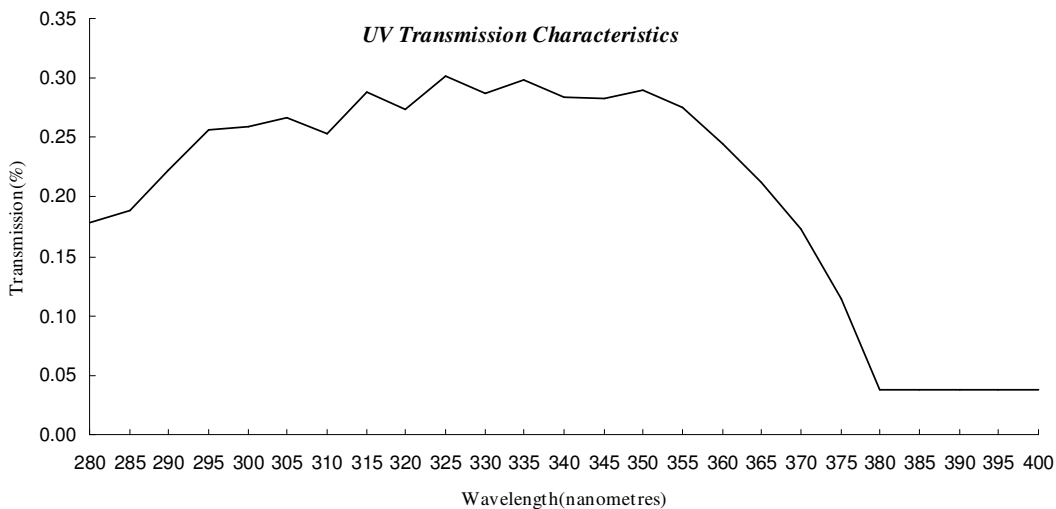


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A dry



A wet

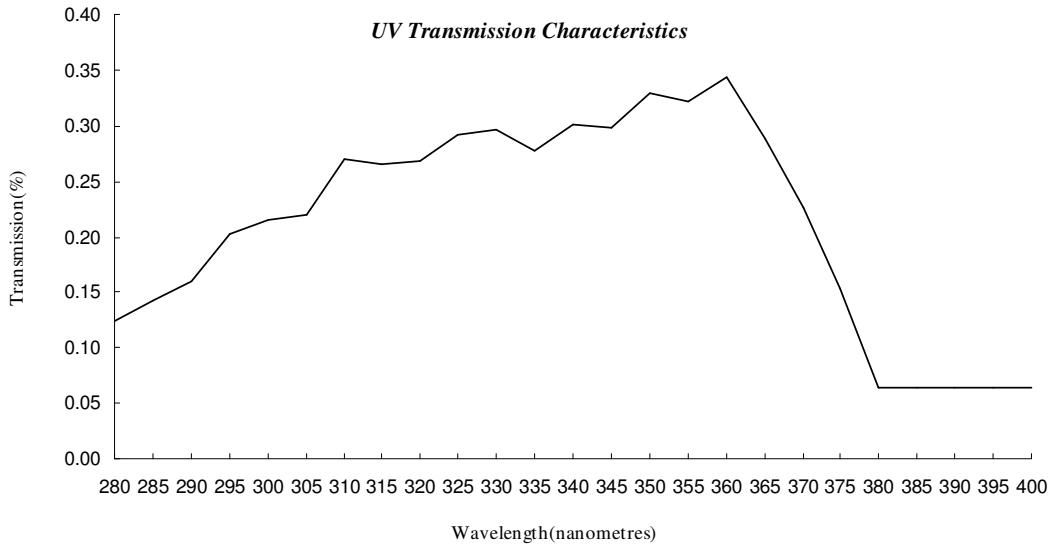


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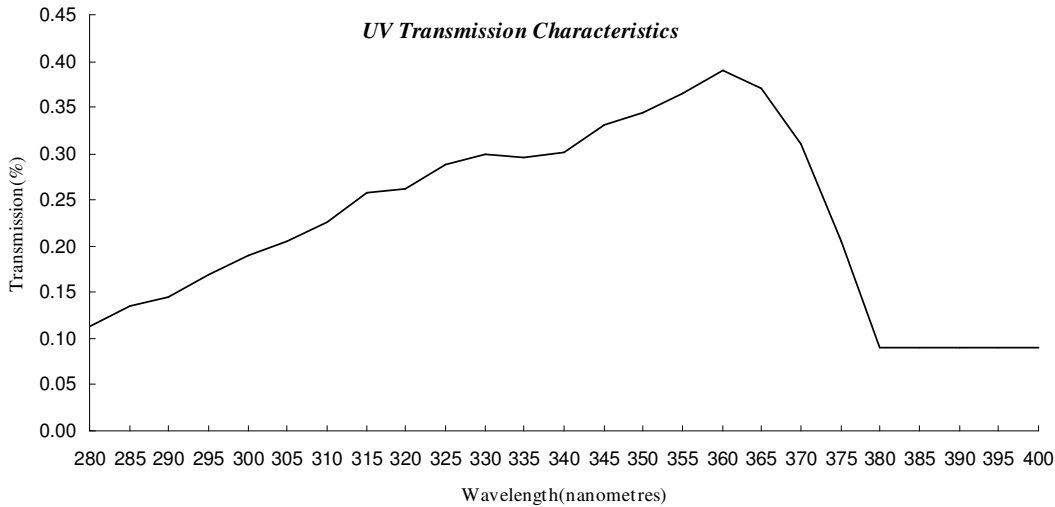
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B dry



B wet

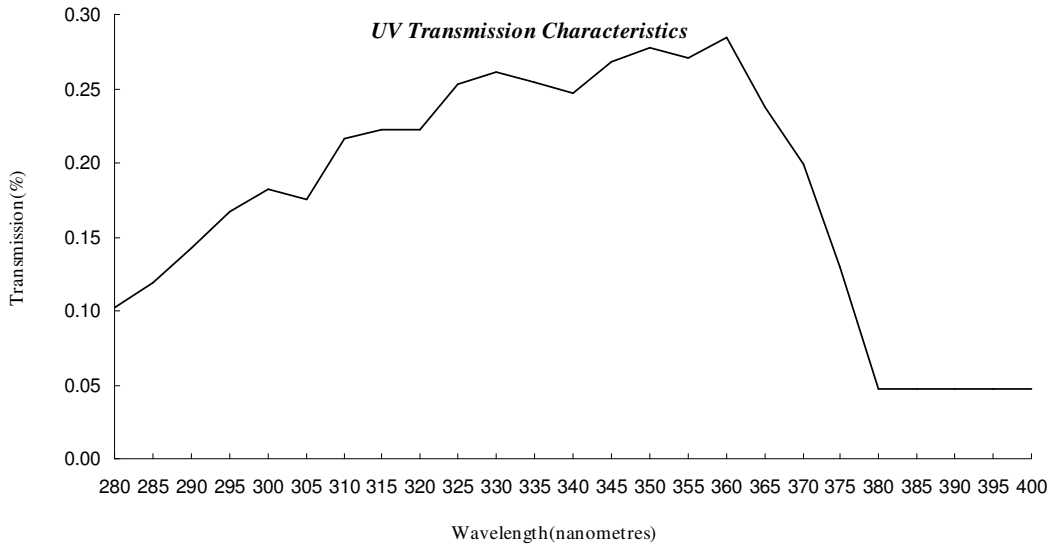


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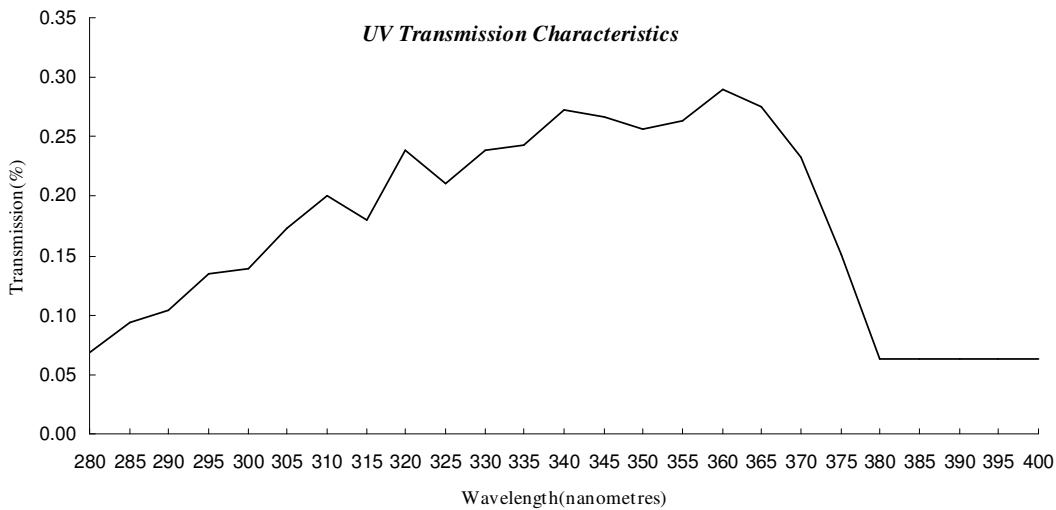
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C dry



C wet



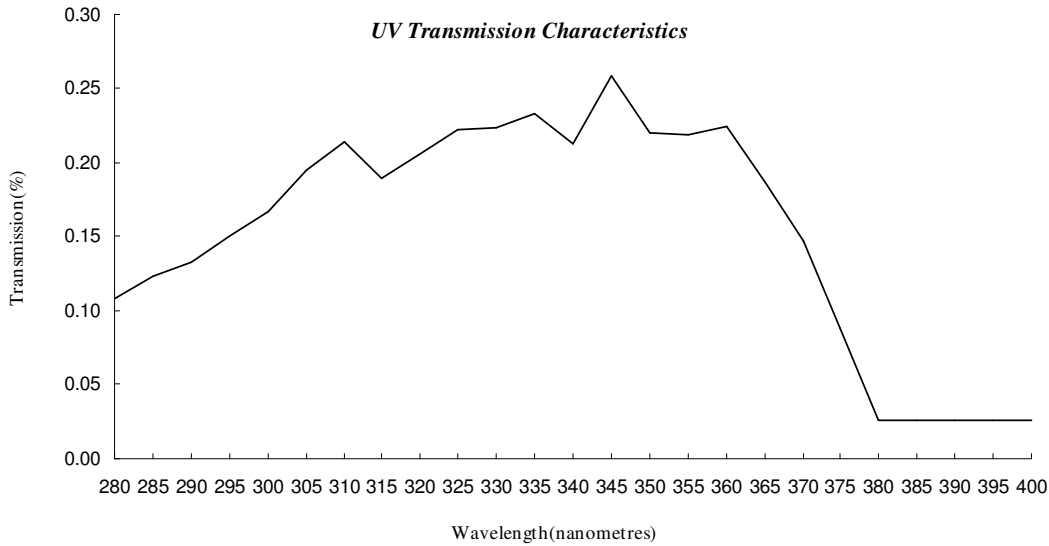
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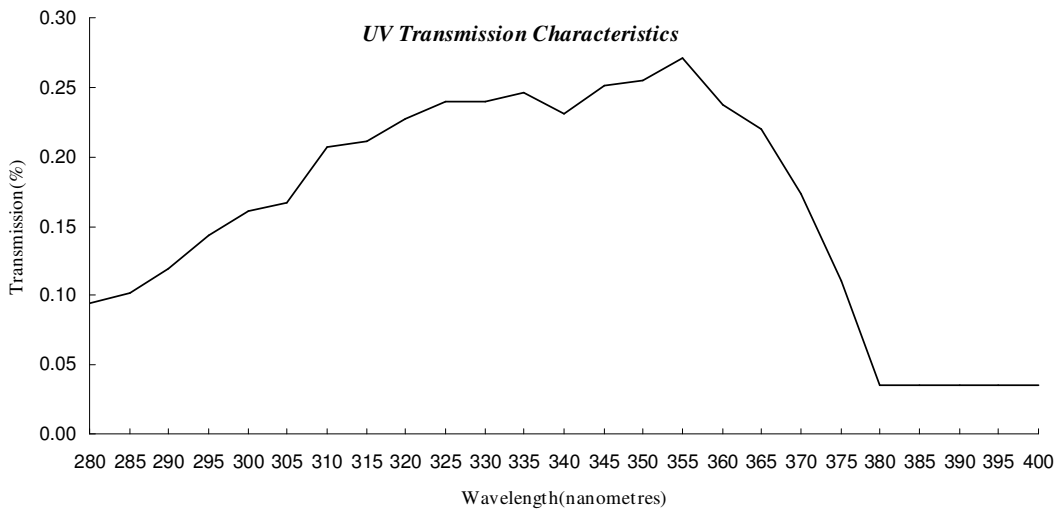


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D dry



D wet



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**Sample Photo**



##: This test was carried out by SGS-CSTC Shanghai lab.

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