

TEXORA S.A
AVDA.PRESIDENTE EDUARDO FREI MONTALVA 9931,QUILICURA,CHILE

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

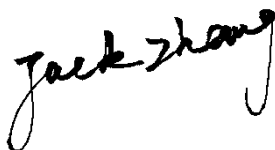
Sample Description : (A) woven fabric in white 01
(B) woven fabric in sky blue 18
(C) woven fabric in moss green 24

Order No. : M-1812P1
Style No : 06004/06005
Country of Origin : China
Exported to : Chile
Sample Receiving Date : Oct 22, 2018
Test Performing Period : Oct 22, 2018 - Oct 26, 2018
Test Performed : Selected tests as requested by applicant.

* * * *

Test Result(s) : Please refer to the next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. HangZhou Branch



Jack Zhang (Account Executive)



Test Result:

Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics[^]

(AATCC 183-2014)

As Received	(A)		(B)		(C)	
	Dry Evaluation	Wet Evaluation	Dry Evaluation	Wet Evaluation	Dry Evaluation	Wet Evaluation
Mean Ultraviolet Protection Factor (UPF) :	144	148	120	148	120	170
Standard Deviation :	4.3	12.5	3.2	12.4	6.4	10.2
Rated UPF :	50+	50+	50+	50+	50+	50+
Protection Category	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Percent Transmittance, T (UV-A) :	0.89	0.99	1.81	2.39	0.94	0.81
Percent Transmittance, T (UV-B) :	0.62	0.58	0.69	0.45	0.71	0.48
The Percent Blocking, UV-A :	99.11	99.01	98.19	97.61	99.06	99.19
The Percent Blocking, UV-B :	99.38	99.42	99.31	99.55	99.29	99.52

Test was conducted in wavelength range : 280 - 400 nm

Instrument : UV - Vis Spectrophotometer model

No. of Scans : 6

Remarks :

- 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.
- 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
- 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.
- Refer to ASTM D6603-12, 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 24 Good UV Protection
 UPF less than 15 Unclassification
- The listed protection category is for reference only; the market claims for labeling UV-Protection product shall follow guide for labeling elements (marking) for UV-Protection Textiles as stated in ASTM D6603-12

Note: Graph Appendix is attached



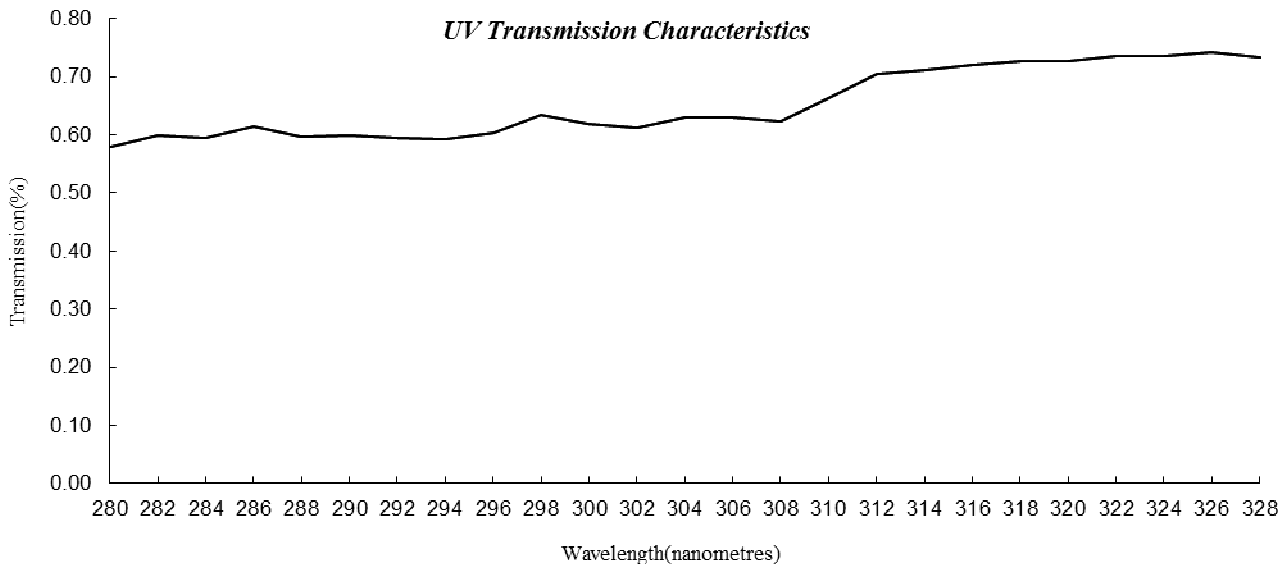
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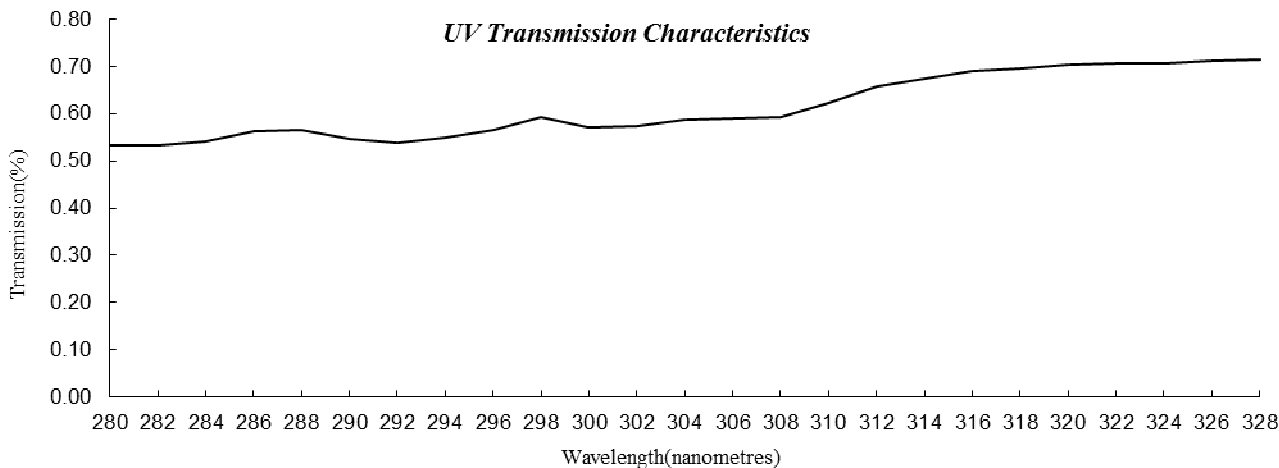
3-6F, No.4 Building, Huaye Hi-Tech Zone, No.1180, Bin'an Road, Binjiang District, Hangzhou, Zhejiang, China 310052 t (86-571)86791199 f (86-571)87688901 www.sgsgroup.com.cn
 中国·浙江·杭州·滨江区滨安路1180号华业高科技产业园4号楼3-6层 邮编: 310052 t (86-571)86791199 f (86-571)87688901 e sgs.china@sgs.com

(A)

Dry

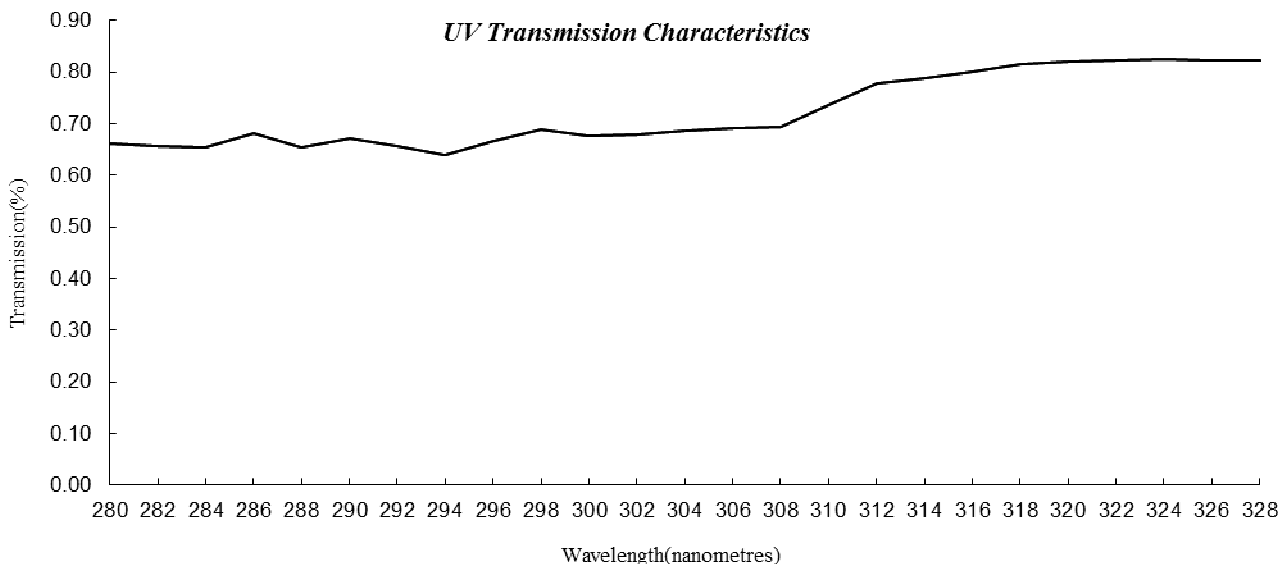


Wet

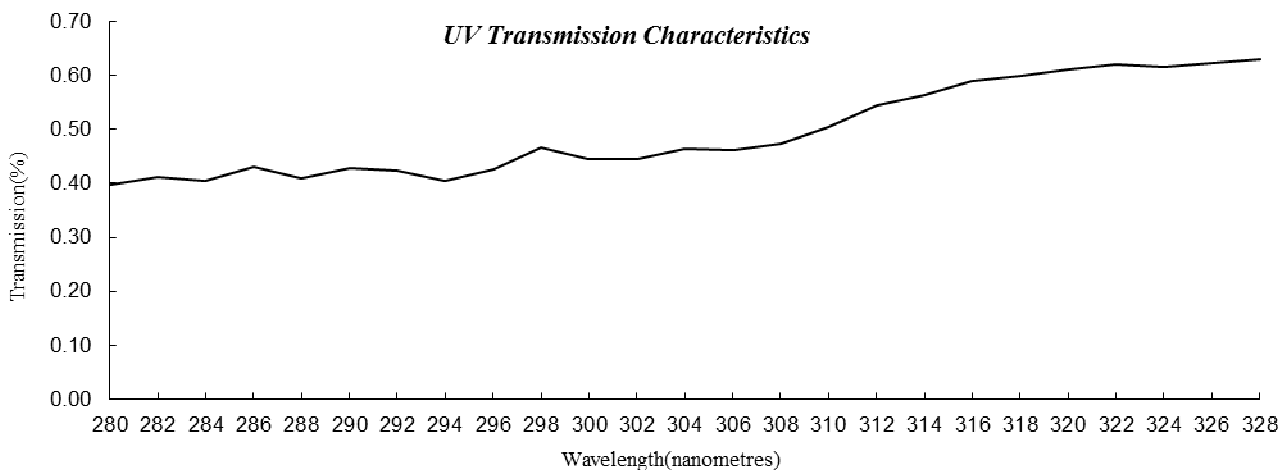


(B)

Dry



Wet

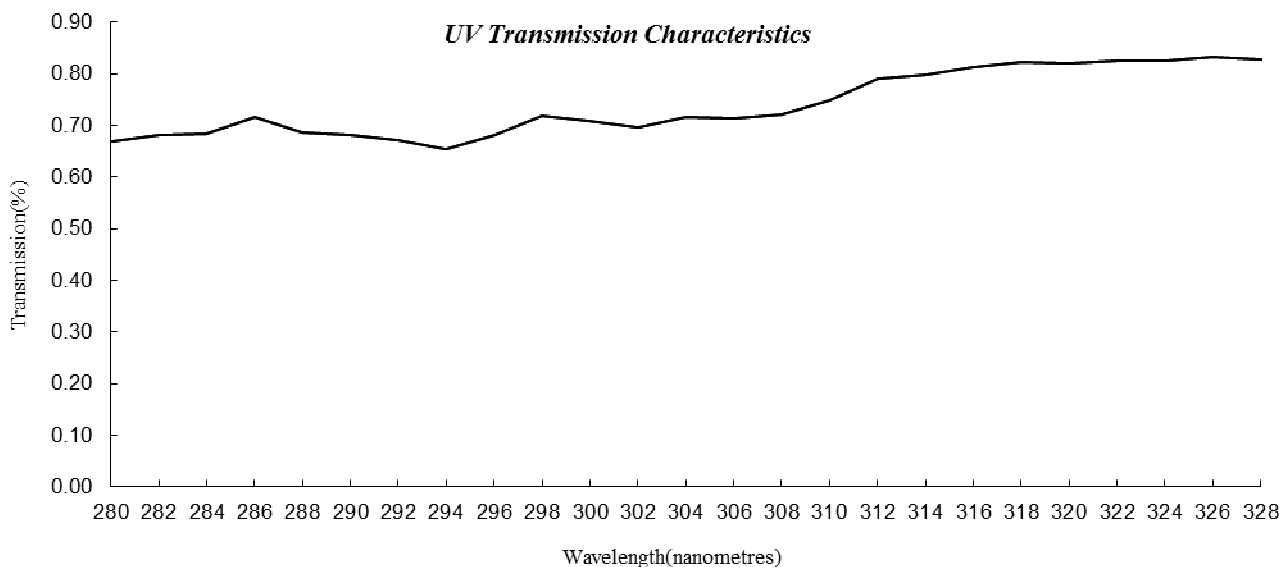


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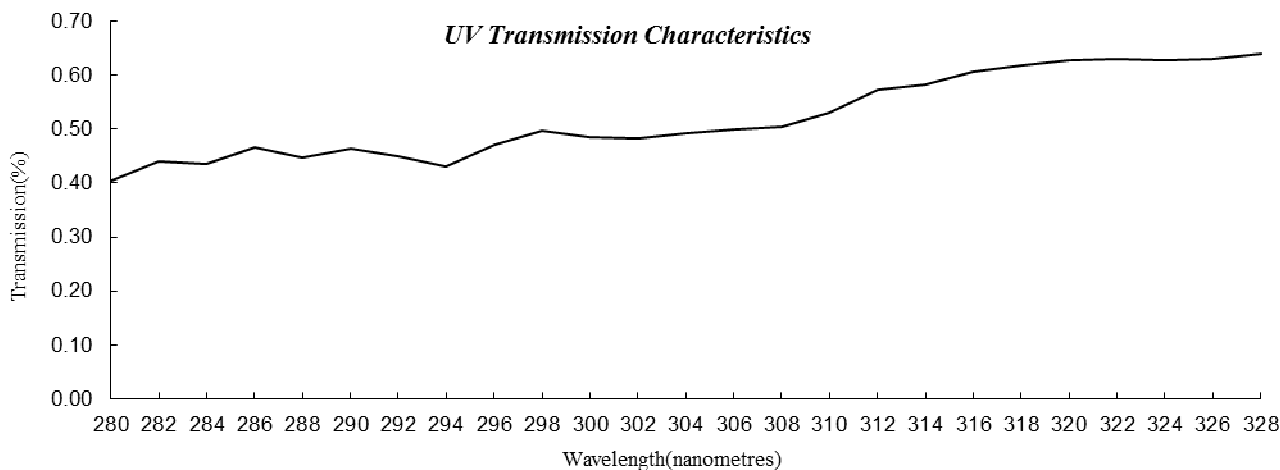
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(C)

Dry



Wet



^This test was carried out by SGS Shanghai Laboratory

*** End of Report ***

