

UNITEC TEXTILE DECORATION CO.,LTD
ROOM 1102, NO.139 FU TE XI YI ROAD, WAI GAO QIAO FREE TRADE ZONE, PUDONG NEW AREA,
SHANGHAI, CHINA

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

Sample Description : Sunscreen roller blinds fabric: 70% polyvinyl chloride 30% polyester in white
Style No. : Sunscreen fabrics
Country of Origin : China
Supplier : UNITEC TEXTILE DECORATION CO.,LTD

Proposed Care Instruction : -

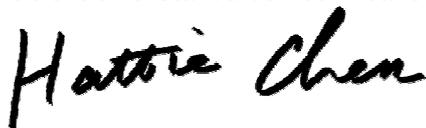
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jul 16, 2018

Testing Period : Jul 16, 2018 - Jul 20, 2018

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



Hattie Chen
Account Executive



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Test Result

Fire Tests for Flame Propagation of Textiles and Films
(NFPA 701-2015; Method 1)

As Received

Specimen	1	2	3	4	5	6	7	8	9	10	Average
Afterflame time(s)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
The burning time of material that falls to the bottom of the chamber(s)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
The dripping of molten material	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Specimen	Weight (g)		Weight Loss (%)								
	Original (O)		After test (T)		(O-T)/O X 100						
1	23.5		15.1		35.7						
2	23.5		15.5		34.0						
3	23.5		15.3		34.9						
4	23.4		14.0		40.2						
5	23.4		15.6		33.3						
6	23.4		14.7		37.2						
7	23.5		13.6		42.1						
8	23.5		15.2		35.3						
9	23.4		15.5		33.8						
10	23.5		15.2		35.3						
		Average		36.2							
		Standards deviation		2.9							

Remark: Y: Yes N: No

Conditioning:

- The specimens were dried for at least 30 minutes at 105°C ± 3°C (220°F ± 5°F).

Requirements:

Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens.

The average weight loss of the 10 specimens in a sample shall be 40 percent or less.

No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.

When a retest is required, no individual specimen's percent mass loss in the second set of specimens shall deviate from the mean value by more than 3 standard deviations calculated for the second set.

Comment:

The submitted sample **meets** the requirement prescribed in Chapter 10 of NFPA 701-2015 in "As Received" states.



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SGS-CSL Standards Technical Services (Shanghai) Co., Ltd. 3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
Testing Center 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

Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics

(Ref. AATCC 183-2014)

As Received

	<u>Dry Evaluation</u>
Mean Ultraviolet Protection Factor (UPF) :	14
Standard Deviation :	0.0
Rated UPF :	10
Protection Category	Unclassified
Percent Transmittance, T (UV-A) :	7.21
Percent Transmittance, T (UV-B) :	7.17
The Percent Blocking, UV-A :	92.79
The Percent Blocking, UV-B :	92.83

Test was conducted in wavelength range : 280 - 400 nm

Instrument : UV - Vis Spectrophotometer model

No. of Scans : 6

Remarks :

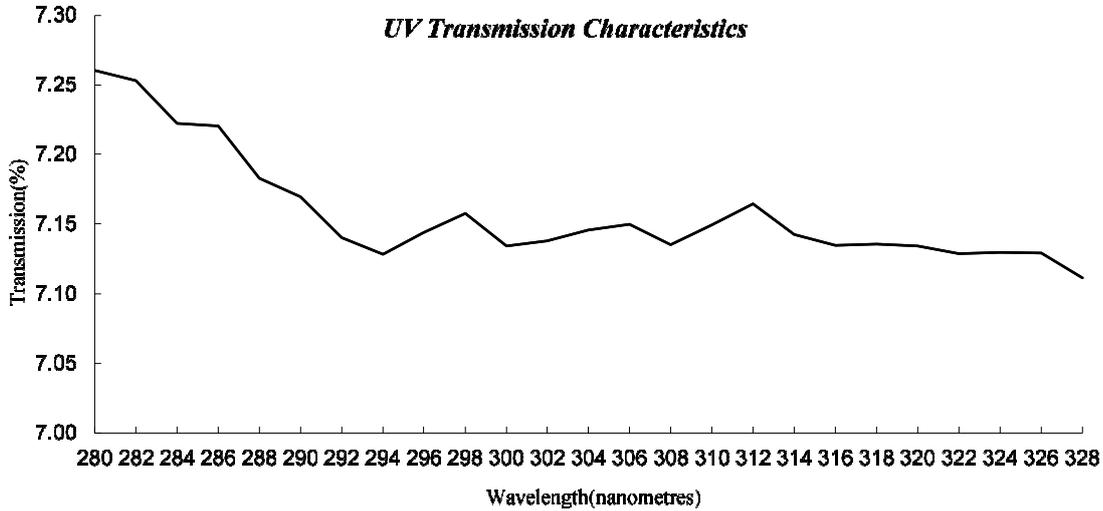
- (1) Ultraviolet Protection Factor (UPF) is the ratio of the average effective ultraviolet radiation (UV-R) irradiance transmitted and calculated through air to the average effective UV-R irradiance transmitted and calculated through fabric.
- (2) The limits of the spectral range of ultraviolet radiation 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 D6603-12, 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
- (5) 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
- (6) Wet Evaluation was not conducted due to no water pick-up of the specimen after submerged in water for 30 mins.

Note: Graph Appendix is attached



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Dry:



*** End of Report ***



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