



Test Report

No. SL918092018693TX

Date: Feb 12, 2018

Page 1 of 4

DONGGUAN SUNFIRE SPORTS CO., LTD.
4B 4TH FL ZHAOXI INDUSTRIAL PARK GATE 3, RD 11 LONGYAN,HUMEN,DONGGUAN CHINA 523920

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

Sample Description : One sample of 100% polyester eyelet mesh fabric in full sublimation in full sublimated colors for sports jerseys.

Style No. : #PE145

Supplier : Sunfire Sports

Country Of Destination : USA ,CA ,AU, NZ, Europe, etc

Sample Receiving Date : Feb 07, 2018

Test Performing Period : Feb 07, 2018 - Feb 12, 2018

Test Performed : Selected tests as requested by applicant against Client's performance standard.

* * * *

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

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

Lily Wang
Account Manager



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Test Result:

Requirement

Ultraviolet Protection Factor / UPF
(AATCC 183-2014)

As Received

	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>
Mean Ultraviolet Protection Factor (UPF) :	56	81
Standard Deviation :	3	1
Rated UPF :	50+	50+
Protection Category	Excellent	Excellent
Percent Transmittance, T (UV-A) :	1.73	1.40
Percent Transmittance, T (UV-B) :	1.42	0.90
The Percent Blocking, UV-A :	98.27	98.60
The Percent Blocking, UV-B :	98.58	99.10

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 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 “Standard Guide For Labeling UV-Protection Textiles” as stated in ASTM D6603-11



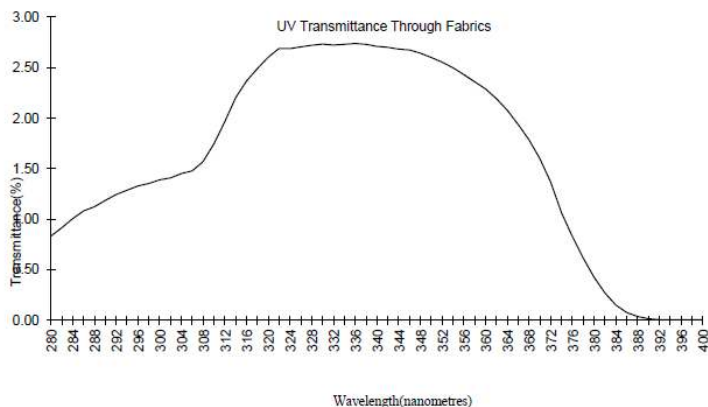
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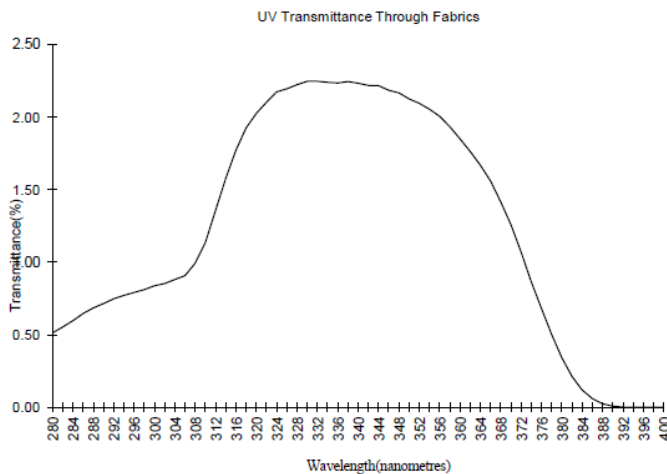
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Dry:



Wet:



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Sample Photo



*** End of Report ***



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