

Test Report

No.: VNLS2212041908TX

Date: Dec 26, 2022

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FAR EASTERN POLYTEX (VIETNAM) LIMITED

LAND LOT B_5B_CN, ROAD DC, BAU BANG INDUSTRIAL PARK,
LAI UYEN TOWN, BAU BANG DISTRICT, BINH DUONG PROVINCE, VIETNAM

The following sample was submitted and identified by the client as:

One sample of (A) KNITTING in WHITE

(Special Tests: UPF) (Exported to: US) (Season: SS25)

Buyer	:	HELLY HANSEN
Sample Description	:	KNITTING
Color Submitted	:	WHITE
Fibre Content	:	100% Recycled Polyester
End Use	:	BODY
Ref. No.	:	/
Style No.	:	/
PO No.	:	RP3S0077-QD01FV
Manufacturer	:	Far Eastern Polytex
Country Of Origin	:	Vietnam
Country Of Destination	:	/
Applicant's Proposed Care	:	/
Instruction		
Sample Receiving Date	:	Dec 20, 2022 PM
Test Performing Period	:	Dec 21, 2022 – Dec 26, 2022
Test Performed	:	Selected test(s) as requested by applicant against Client's performance standard.
	:	* * * *
Test Results	:	Please refer to the next page(s).
Overall Conclusion	:	PASS

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Overall Result

(A)
M

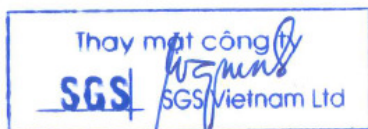
Physical test:

UPF Rating

Remarks: M = Meet general requirement
F = Below general requirement
S = Satisfactory
U = Unsatisfactory
= No specified requirement
* = No declared information
N/A = Not Applicable

Note: Conclusions on Pass/ Fail are based on the test result from the actual sampling of the received sample(s).

Signed for and on behalf of
SGS Vietnam LTD



Rhodora Quinto
Softlines Lab Manager

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Test Result

Client's Requirement

SWIM PREPARATION FOR UV TESTING + UV RESISTANCE

Test Method: AATCC 183 - Section 10.2.1, BS EN 13758-1:2001+A1:2006

Test conditions

- 1 Air temperature: 21 ± 1 (°C)
- 2 Relative Humidity: 65 ± 2 (%)
- 3 Orientation of test specimen: Specimens were clamped in sample holder. Fabric face side is facing the incident UV light
- 4 Wave length range: ☐ 280 – 400 (nm)/ ☒ 290 – 400 (nm)/ ☐ Others:
- 5 No. of scans: 6

<u>Test results:</u>	<u>(A)</u>		
	<u>Dry Evaluation</u>	<u>Wet Evaluation</u>	
Percent Transmittance, T (UV-A)	3.08	3.65	Max. 5%
Percent Transmittance, T (UV-B)	1.00	1.10	/
Percent Transmittance, T (UV-R)	2.57	3.03	
The percent blocking, UV-A	96.92	96.35	
The percent blocking, UV-B	99.00	98.90	
The percent blocking, UV-R	97.43	96.97	
Mean Ultra Violet Protection Factor (UPF)	66.81	59.37	
Standard deviation (SD):	2.61	2.99	
Standard error (E):	5	5	
Rate UPF:	>50	>50	
Protection Category:			

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Remark:

- (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
UPF in between 15 to 24	Good UV Protection
UPF less than 15	Unclassified

- (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.

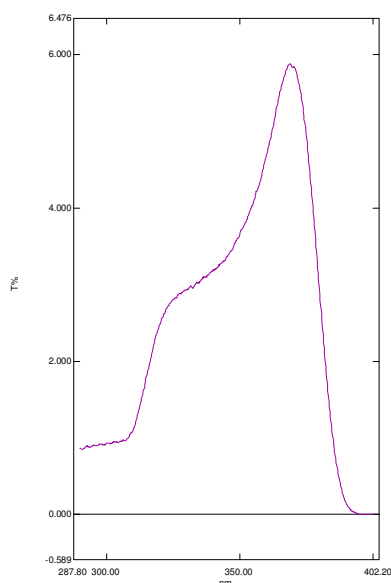
Note : Graph Appendix & raw data are attached

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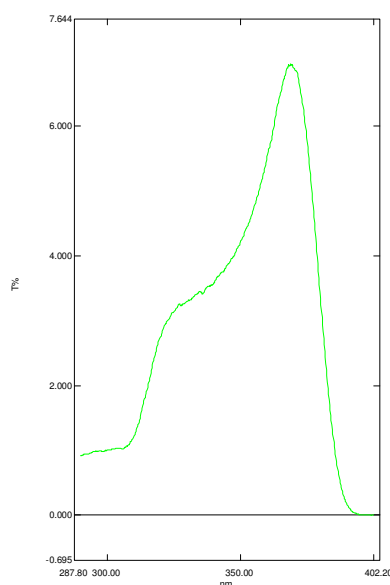
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Dry



Wet



Remarks: The test result is considered as conform to specification based on the general consideration simple acceptance as stated in ISO/IEC GUIDE 98-4:2012.

PHOTO OF SUBMITTED SAMPLE:



Report results refer to submitted sample(s) only

*** End of Report ***

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