

NUMBER :VNMT25010089



Intertek Vietnam Ltd.

Hanoi office: 3rd, 4th, 6th floor, Au Viet Building, No.01 Le Duc Tho Street, Mai Dich Ward, Cau Giay District, Hanoi, Vietnam. Tel: (84-24)37337094 Fax:(84-24)37337093 - Email: web.iao-vnm@intertek.com | Web: intertek.com/intertek.vn
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TEST REPORT

NUMBER : VNMT25010089
DATE : 17-Mar-2025

APPLICANT : POLYTEX FAR EASTERN (VIETNAM) LIMITED
LAND LOT B_5B_CN, ROAD DC, BAU BANG
INDUSTRIAL PARK, LAI UYEN COMMUNE, BAU
BANG DISTRICT, BINH DUONG PROVINCE, VIET
NAM
ATTN : LE THI BICH

SELF REFERENCE

Sample Description As Declared : Double Knit, Sportwear
Fibre Content : 100%Recycled Polyester
Color : 073 PINK LAVENDER
Fabric Weight : 140 gsm
Style No : RP3S0077-QD01FV
Order No. : -
No. Of Sample : 01 Piece
Buyer's Name : Helly Hansen
Material : -
Finishing : -
End Uses : Men, Women
Standard : Section 3: Knit And Fleece
Package Test : Colourfastness Test + UPF Rating
Date Test Started : 12 Mar 2025
Date Confirmation Received : -
Version : 2024-October

**TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE
REFER TO ENCLOSED PAGE(S)**

AUTHORIZED BY
FOR INTERTEK VIETNAM LTD. [HO CHI MINH]



PHUONG LE
SOFTLINES GENERAL MANAGER

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CONCLUSION :

Color Fastness To Light	M
Color Fastness To Water	M
Color Fastness To Rubbing	M
Color Fastness To Washing	M
Color Fastness To Dye Transfer	M
Color Fastness To Perspiration	M
UPF Rating	F

M = Meet Applicant's Requirement

- = Not Provided

NC = Not Conform Label

R = See The Remark

** = Based upon the Weight Per Unit Area the sample is exempt from
Flammability Testing in accordance with 16 CFR 1610.1(d).

*** = Based upon the Fiber Content the sample is exempt from
Flammability Testing in accordance with 16 CFR 1610.1(d).

F = Below Applicant's Requirement

C = Conform Label

= No Comment

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Color Fastness To Light

ISO 105 B02 - 2014 Blue Wool 5

Up To Grade 5	5	<u>Requirement</u> 4
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2. Color Fastness To Water

ISO 105 E01 - 2013

Color Change	4-5	<u>Requirement</u> 4
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Color Staining

Acetate	4-5	<u>Requirement</u> 4
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Cotton 4-5

Nylon 4-5

Polyester 4-5

Acrylic 4-5

Wool 4-5

3. Color Fastness To Rubbing

ISO 105-X12:2016 50 Rubs

Dry	4-5	<u>Requirement</u> 4
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Wet 4-5 4

4. Color Fastness To Washing

ISO 105-C06 : 2010, A2S, 30 Minutes Mechanical Wash At 40°C, In 0.4% ECE Reference Detergent And 0.1% Sodium Perborate With 10 Steel Balls

Color Change	4-5	<u>Requirement</u> 4
Color Staining		
Acetate	4-5	4
Cotton	4-5	
Nylon	4-5	
Polyester	4-5	
Acrylic	4-5	
Wool	4-5	

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5. Color Fastness To Dye Transfer

AATCC TM163-2013e(2020), Option 2, 38°C For 4 Hours

		<u>Requirement</u>
Color Change	4.5	4.0
Color Staining		
White Fabric	4.5	4.0
Acetate	4.5	
Cotton	4.5	
Nylon	4.5	
Polyester	4.5	
Acrylic	4.5	
Wool	4.5	

REMARK:

White Fabric: Cotton 100%

6. Color Fastness To Perspiration

ISO 105 E04 - 2013

Acid

		<u>Requirement</u>
Color Change	4-5	4
Color Staining		
Acetate	4-5	4
Cotton	4-5	
Nylon	4-5	
Polyester	4-5	
Acrylic	4-5	
Wool	4-5	

Alkaline

		<u>Requirement</u>
Color Change	4-5	4
Color Staining		
Acetate	4-5	4
Cotton	4-5	
Nylon	4-5	
Polyester	4-5	
Acrylic	4-5	
Wool	4-5	

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7. UPF Rating

BS EN 13758-1 : 2002 + A1 : 2006 Wetting Standard based on: AATCC 183 – Section 10.2.1

- Instrument Used : UV-2000F
- Wavelength Resolution : 5 nm
- No. Of Scans : 8

The Samples Are Tested In Relaxation State

Temperature : 20±2°C Relative Humidity : 65±2%

	Dry	<u>Requirement</u>
The Mean Ultraviolet Protection Factor, UPF	45	
The Mean UVA transmittance (%)	4.83	< 5%
The Mean UVB transmittance (%)	1.65	
Standard Deviation Of UPF	0.85	
Standard Deviation Of UVA	0.06	
Standard Deviation Of UVB	0.03	
UPF Of Each Specimen 1	45.30	
UPF Of Each Specimen 2	45.25	
UPF Of Each Specimen 3	46.80	
UPF Of Each Specimen 4	46.63	
UPF Of Each Specimen 5	45.42	
UPF Of Each Specimen 6	45.57	
UPF Of Each Specimen 7	47.28	
UPF Of Each Specimen 8	45.04	
	Wet	<u>Requirement</u>
The Mean Ultraviolet Protection Factor, UPF	>50	
The Mean UVA transmittance (%)	5.34	< 5%
The Mean UVB transmittance (%)	0.99	
Standard Deviation Of UPF	2.51	
Standard Deviation Of UVA	0.15	
Standard Deviation Of UVB	0.05	
UPF Of Each Specimen 1	63.00	
UPF Of Each Specimen 2	61.52	
UPF Of Each Specimen 3	61.68	
UPF Of Each Specimen 4	68.70	
UPF Of Each Specimen 5	62.71	
UPF Of Each Specimen 6	63.56	
UPF Of Each Specimen 7	60.41	
UPF Of Each Specimen 8	62.40	

END OF THE TEST REPORT

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