



Ultraviolet Protection Factor Summary

Analysed for: Altegra Australia PL

24/07/2019

ARPANSA Reference	Sample Description	Specimens Tested	Mean UVB	Mean UVA	Mean UPF	Std. Dev	Rated UPF	Protection Category
12560-1	Black 300gsm Polyester Fibre Dyed with PVC, Batch B1	8	0.000	0.000	>300	n/a	50+	Excellent
12560-2	Black 329gsm Polyester Cloth Dyed with PVC, Batch B2	8	0.000	0.000	>300	n/a	50+	Excellent
12560-3	Black 256gsm Polyester Sublimated, Batch B3	8	0.001	0.001	>300	n/a	50+	Excellent

Anindita Das
 Anindita Das - Technician

24/07/2019

Alan McLennan - Approved Signatory

24/07/2019

It is a condition of the provision of these test results that you do not use the name of ARPANSA or the Commonwealth of Australia, or any words, marks or devices which may imply a connection with ARPANSA or the Commonwealth of Australia, in connection with the promotion or sale of your products, unless ARPANSA has given express written authority to do so. This test report may only be reproduced in full and without alteration.

Document ID: ARPANSA-RPT-0373[2]



Ultraviolet Protection Factor Report

AS/NZS 4399: 2017

Analysed for: Altegra Australia PL

ARPANSA Reference: 12560-1

Customer Reference: 3174

Sample Information

Sample Type: Polyester

Sample Colour: Black

Analysis Date: 24/07/2019

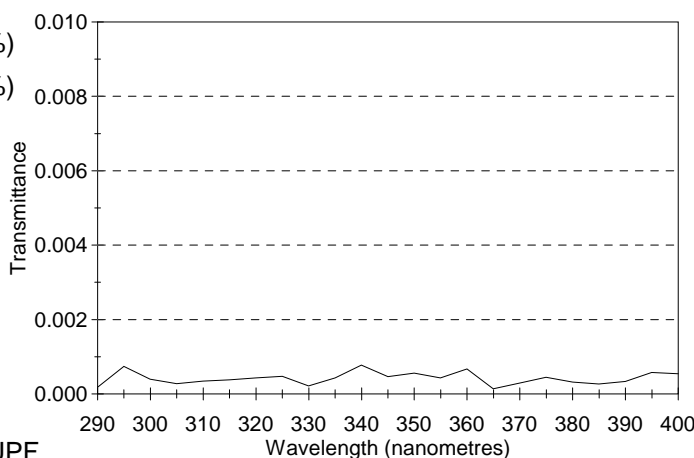
Instrumentation: Labsphere UV-1000F s/n 5239

Description: Black 300gsm Polyester Fibre Dyed with PVC, Batch B1

Protection Factor Results

Number of Specimens Analysed: 8
 Mean UVB Transmittance: 0.000 (0.0%)
 Mean UVA Transmittance: 0.000 (0.0%)
 Mean UPF: >300
 Standard Deviation: n/a
 Rated UPF: 50+
 Protection Category: Excellent

UV Transmittance Characteristics



Statistical Uncertainties

Total Measurement Uncertainty: n/a
 Coverage Factor (99% confidence): 3.50

The maximum instrumental contribution to the uncertainty in the UPF result is 6.5% of the highest reportable value at the 95% confidence level.

Review of Results

This fabric is considered to be effective as protection against solar ultraviolet radiation (UVR) as it has an ultraviolet protection factor (UPF) greater than 15. A UPF rating of 50+ qualifies this fabric for the UPF Excellent protection category. The assigned UPF rating of 50+ may be quoted for advertising purposes.

This test report provides UPF results for the material tested. This report does not consider the design or body coverage of the product.

Disclaimer

This report was prepared using the testing method from AS/NZS 4399, Appendix A using the solar spectrum described in Appendix B. Unless otherwise stated the sample was tested in unstretched, dry condition. The results in this report are applicable to the sample tested and may not apply to other batches of the same material, other colours or similar materials. Testing was performed within a temperature range of 20±5 degrees celcius and a humidity range of 50±20% relative humidity.

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Document ID: ARPANSA-RPT-0375[2] 26/11/2018

Material Sample



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Ultraviolet Protection Factor Report

AS/NZS 4399: 2017

Analysed for: Altegra Australia PL

ARPANSA Reference: 12560-2

Customer Reference: 3174

Sample Information

Sample Type: Polyester

Sample Colour: Black

Analysis Date: 24/07/2019

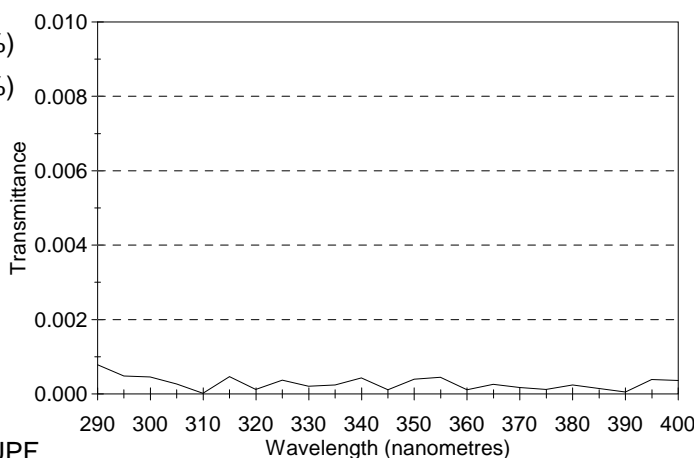
Instrumentation: Labsphere UV-1000F s/n 5239

Description: Black 329gsm Polyester Cloth Dyed with PVC, Batch B2

Protection Factor Results

Number of Specimens Analysed: 8
 Mean UVB Transmittance: 0.000 (0.0%)
 Mean UVA Transmittance: 0.000 (0.0%)
 Mean UPF: >300
 Standard Deviation: n/a
 Rated UPF: 50+
 Protection Category: Excellent

UV Transmittance Characteristics



Statistical Uncertainties

Total Measurement Uncertainty: n/a
 Coverage Factor (99% confidence): 3.50

The maximum instrumental contribution to the uncertainty in the UPF result is 6.5% of the highest reportable value at the 95% confidence level.

Review of Results

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Material Sample





Ultraviolet Protection Factor Report

AS/NZS 4399: 2017

Analysed for: Altegra Australia PL

ARPANSA Reference: 12560-3

Customer Reference: 3174

Sample Information

Sample Type: Polyester

Sample Colour: Black

Analysis Date: 24/07/2019

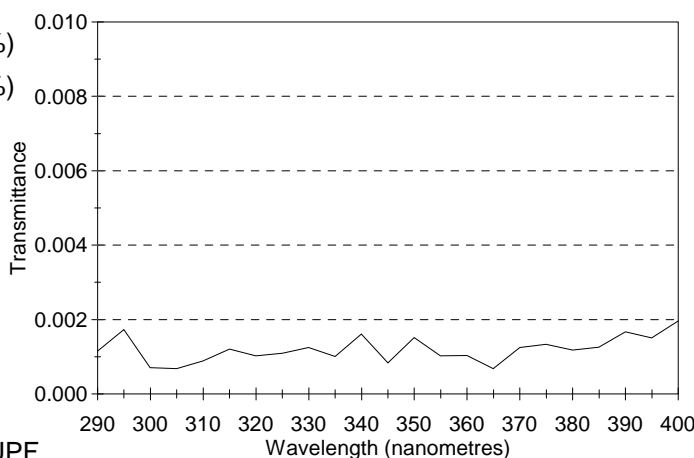
Instrumentation: Labsphere UV-1000F s/n 5239

Description: Black 256gsm Polyester Sublimated, Batch B3

Protection Factor Results

Number of Specimens Analysed: 8
 Mean UVB Transmittance: 0.001 (0.1%)
 Mean UVA Transmittance: 0.001 (0.1%)
 Mean UPF: >300
 Standard Deviation: n/a
 Rated UPF: 50+
 Protection Category: Excellent

UV Transmittance Characteristics



Statistical Uncertainties

Total Measurement Uncertainty: n/a
 Coverage Factor (99% confidence): 3.50

The maximum instrumental contribution to the uncertainty in the UPF result is 6.5% of the highest reportable value at the 95% confidence level.

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