



# **Ultraviolet Protection Factor Summary**

Analysed for: Altegra Australia PL

24/07/2019

ARPANSA Reference	Sample Description	Speci- mens 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

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24/07/2019

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# **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**

#### **UV Transmittance Characteristics**

Number of Specimens Analysed:	8	0.010
Mean UVB Transmittance:	0.000 (	0.0%)
Mean UVA Transmittance:	0.000 (	0.0%) <sub>0.008</sub>
Mean UPF:	>300	8
Standard Deviation:	n/a	0.006
Rated UPF:	50+	Es
Protection Category:	Excellent	Ĕ <sup>0.00</sup> 1
Statistical Uncertainties		0.002
Total Measurement Uncertainty:	n/a	
Coverage Factor (99% confidence):	3.50	290 300 310 320 330 340 350 360 370 380 390 400
The maximum instrumental contribution to	the uncertainty in	n the LIPF Wavelength (nanometres)

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 Material Sample

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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Number: 14442

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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**

#### **UV Transmittance Characteristics**

Number of Specimens Analysed:	8	0.010 —
Mean UVB Transmittance:	0.000 (	0.0%)
Mean UVA Transmittance:	0.000 (	0.0%) 0.008
Mean UPF:	>300	8
Standard Deviation:	n/a	ita 30.00 +
Rated UPF:	50+	0.006
Protection Category:	Excellent	<u>u</u> 5555
Statistical Uncertainties		0.002
Total Measurement Uncertainty:	n/a	0.000
Coverage Factor (99% confidence):	3.50	290 300 310 320 330 340 350 360 370 380 390 400
The maximum instrumental contribution to	the uncertainty in	n the UPF Wavelength (nanometres)

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 Material Sample

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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## **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

#### **UV Transmittance Characteristics**

Number of Specimens Analysed:	8	0.010 —
Mean UVB Transmittance:	0.001 (	0.1%)
Mean UVA Transmittance:	0.001(	0.1%) <sub>0.008</sub>
Mean UPF:	>300	φ
Standard Deviation:	n/a	ususmittan 0.000
Rated UPF:	50+	Es 0 004
Protection Category:	Excellent	<u> </u>
Statistical Uncertainties		0.002
Total Measurement Uncertainty:	n/a	
Coverage Factor (99% confidence):	3.50	290 300 310 320 330 340 350 360 370 380 390 400
The maximum instrumental contribution to	the uncertainty in	n the UPF Wavelength (nanometres)

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.

**Material Sample** Disclaimer

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