Australian Government
Australian Radiation Protection and Nuclear Safety Agency

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Shade Fabric Report

AS 4174:2018

Analysed for: Shelta Australia

ARPANSA Reference: 13210-8 **Customer Reference:** 3238 **Date of Analysis:** 22/04/2021

Sample Information

Description: Charcoal Texture 185gsm Woven Shade Fabric, Olefin

Sample Weight (gsm): 185 **Specimens Tested:** 10 **Instrument:** Bentham DTMc300F s/n 14294

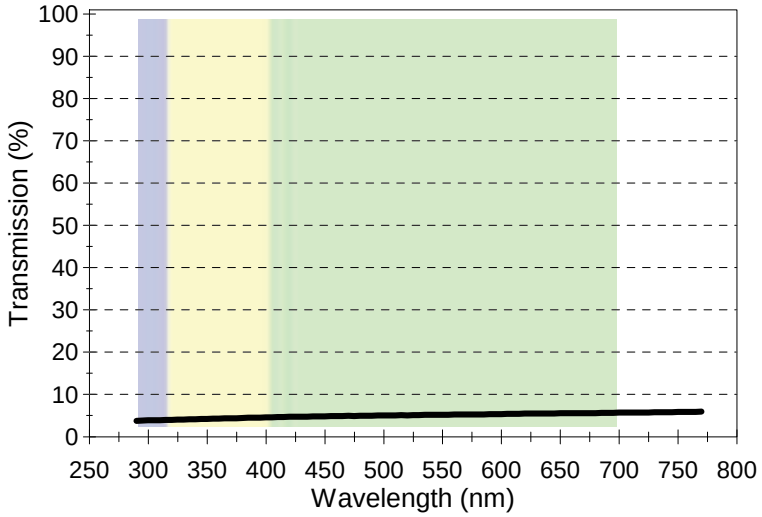
Shade Fabric Results

		S.D.
Cover Factor:	95	0.3
Shade Factor:	94.9	0.4
UV-Visible Transmittance (%):	5.1	0.4
UVR Transmittance (%):	4.2	0.3
UVR Block (%):	95.8	0.3
PAR Transmittance (%):	5.2	0.4
Designation:	Ultra-heavy cover	
Colour Code:	Beige	

Human Protection Results

Ultraviolet Effectiveness (UVE%):	95	0.3
Protection Category:	Most effective	

UV-Visible Transmittance



Review of Results

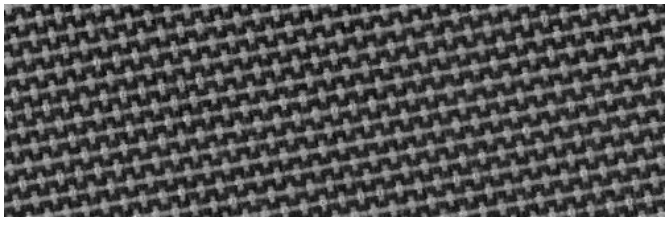
When shade fabric is used for purposes such as shade structures for human protection, the ultraviolet effectiveness (UVE) may not be an accurate guide to the protection provided and may be less than the measured value due to variations in design, height and size of shade structures, stretching of the fabric, the distance of the fabric from the persons, the direction of sunlight, and the physical location of the persons within the shade structure (e.g. at the edge or at the centre).

Disclaimer

Unless otherwise stated the sample was tested unstretched, dry and in new condition. This report has been prepared in accordance with standard AS 4174:2018 - Knitted and woven shade fabrics, Appendices A, B & D. The results in this report are applicable to the sample tested and may not apply to other batches of the same material or similar materials.

It is a condition of the provision of these test results that you do not use the name of the Australian Radiation Protection and Nuclear Safety Agency (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 the ARPANSA has given express written authority to do so. This test report may only be reproduced in full and without alteration.

Material Sample



Anindita Das - Technician - 22/04/2021

Lydia Tjong - Authorised Signatory - 23/04/2021

ARPANSA Ultraviolet Radiation Services
619 Lower Plenty Road
Yallambie, Victoria 3085
Australia

Phone: +61 3 9433 2309
Email: uvr-services@arpansa.gov.au
Web: http://www.arpansa.gov.au/uv

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Shade Fabric Report

AS 4174: 2018

Analysed for: Shelta Australia

ARPANSA Reference: 12902-1 **Customer Reference:** 3238 **Date of Analysis:** 06/07/2020

Sample Information

Description: Sand/Sandstone 186gsm Polypropylene Axroma Woven Shade Fabric

Sample Weight (gsm): 186 **Specimens Tested:** 10 **Instrument:** Bentham DTMc300F s/n 14294

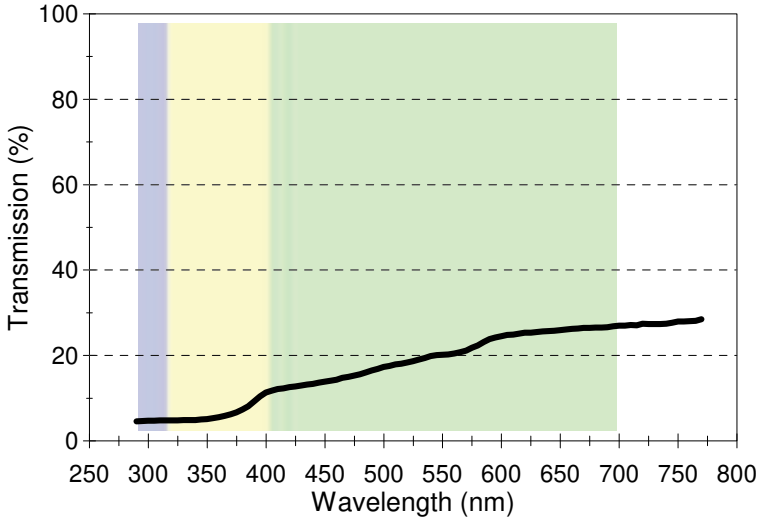
Shade Fabric Results

		S.D.
Cover Factor:	94	0.1
Shade Factor:	82.0	0.2
UV-Visible Transmittance (%):	18.0	0.2
UVR Transmittance (%):	6.1	0.1
UVR Block (%):	93.9	0.1
PAR Transmittance (%):	20.1	0.2
Designation:	Ultra-heavy cover	
Colour Code:	Beige	

Human Protection Results

Ultraviolet Effectiveness (UVE%):	94	0.1
Protection Category:	Very effective	

UV-Visible Transmittance

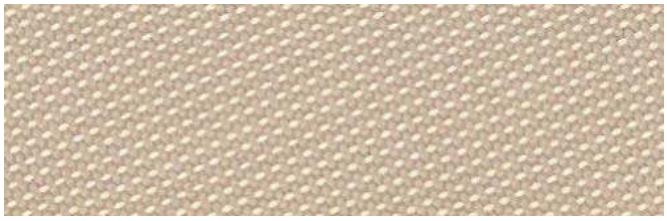


Review of Results

When shade fabric is used for purposes such as shade structures for human protection, the ultraviolet effectiveness (UVE) may not be an accurate guide to the protection provided and may be less than the measured value due to variations in design, height and size of shade structures, stretching of the fabric, the distance of the fabric from the persons, the direction of sunlight, and the physical location of the persons within the shade structure (e.g. at the edge or at the centre).

Disclaimer

Material Sample



Anindita Das - Technician - 6/07/2020

Lydia Tjong - Authorised Signatory - 6/07/2020

ARPANSA Ultraviolet Radiation Services
619 Lower Plenty Road
Yallambie VIC 3085
Australia

Email: upf-testing@arpansa.gov.au
Phone: +61 3 9433 2309
Web: www.arpansa.gov.au/uv

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Shade Fabric Report

AS 4174:2018

Analysed for: Shelta Australia

ARPANSA Reference: 13210-9 **Customer Reference:** 3238 **Date of Analysis:** 22/04/2021

Sample Information

Description: Taupe Texture 183gsm Woven Shade Fabric, Olefin

Sample Weight (gsm): 183 **Specimens Tested:** 10 **Instrument:** Bentham DTMc300F s/n 14294

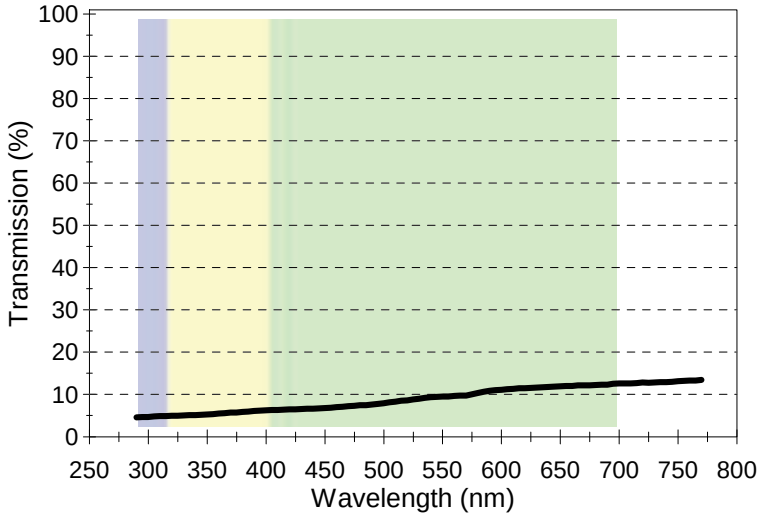
Shade Fabric Results

		S.D.
Cover Factor:	94	0.1
Shade Factor:	91.0	0.1
UV-Visible Transmittance (%):	9.0	0.1
UVR Transmittance (%):	5.3	0.1
UVR Block (%):	94.7	0.1
PAR Transmittance (%):	9.4	0.1
Designation:	Ultra-heavy cover	
Colour Code:	Beige	

Human Protection Results

Ultraviolet Effectiveness (UVE%):	95	0.1
Protection Category:	Most effective	

UV-Visible Transmittance



Review of Results

When shade fabric is used for purposes such as shade structures for human protection, the ultraviolet effectiveness (UVE) may not be an accurate guide to the protection provided and may be less than the measured value due to variations in design, height and size of shade structures, stretching of the fabric, the distance of the fabric from the persons, the direction of sunlight, and the physical location of the persons within the shade structure (e.g. at the edge or at the centre).

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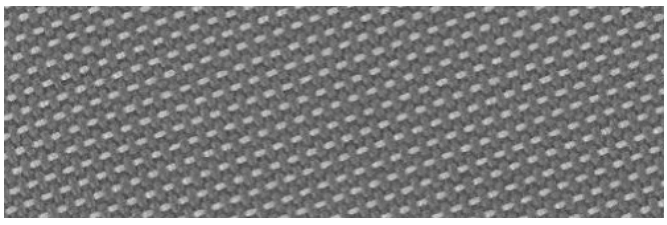
Material Sample



Anindita Das

Anindita Das - Technician - 22/04/2021

Lydiawati Tjong

Lydia Tjong - Authorised Signatory - 23/04/2021

ARPANSA Ultraviolet Radiation Services
619 Lower Plenty Road
Yallambie, Victoria 3085
Australia

Phone: +61 3 9433 2309
Email: uvr-services@arpansa.gov.au
Web: http://www.arpansa.gov.au/uv