



Shade Fabric Summary Report

AS4174: 2018

Analysed for: Shelta Australia

18/06/2020

Sample Details		Shade Fabric Results						Human Protection			
ARPANSA Reference	Sample Description	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	PAR Trans %	Designation	Colour Code	UVE%	Protection Category
12884-1	Natural 243gsm Polyester Woven Shade Fabric	99	90.4	9.6	1.2	98.8	8.2	Ultra-heavy cover	Beige	99	Most effective
12884-2	Black and White Striped 217gsm Polyester Woven Shade Fabric	98	90.8	9.2	2.7	97.3	11.0	Ultra-heavy cover	Beige	99	Most effective

Anindita Das

Anindita Das - Technician - 18/06/2020

Lydiawati Tjong

Lydia Tjong - Authorised Signatory - 18/06/2020

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 summary report may only be reproduced in full and without alteration.

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Shade Fabric Report

AS 4174: 2018

Analysed for: Shelta Australia

ARPANSA Reference: 12884-1

Customer Reference: 3238

Date of Analysis: 18/06/2020

Sample Information

Description: Natural 243gsm Polyester Woven Shade Fabric

Sample Weight (gsm): 243

Specimens Tested: 10

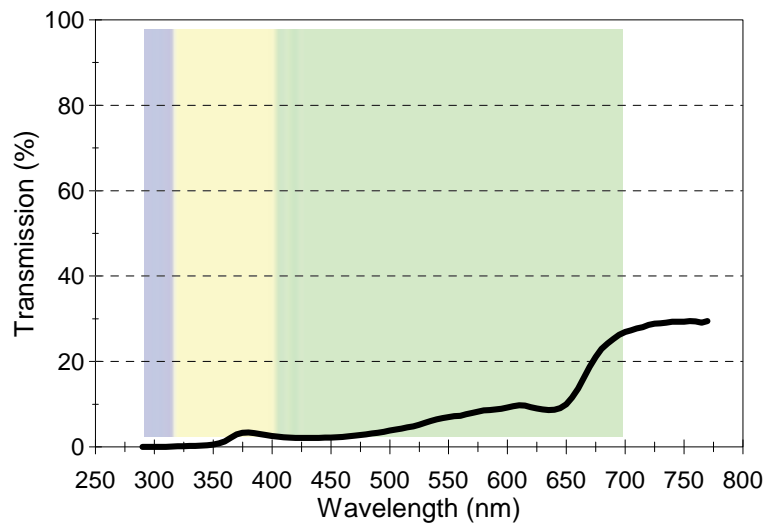
Instrument: Bentham DTMc300F s/n 14294

Shade Fabric Results

S.D.

Cover Factor:	99	0.0
Shade Factor:	90.4	0.1
UV-Visible Transmittance (%):	9.6	0.1
UVR Transmittance (%):	1.2	0.0
UVR Block (%):	98.8	0.0
PAR Transmittance (%):	8.2	0.1
Designation:	Ultra-heavy cover	
Colour Code:	Beige	

UV-Visible Transmittance



Human Protection Results

Ultraviolet Effectiveness (UVE%): 99 0.0

Protection Category: Most effective

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/NZS 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.

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Material Sample



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Shade Fabric Report

AS 4174: 2018

Analysed for: Shelta Australia

ARPANSA Reference: 12884-2

Customer Reference: 3238

Date of Analysis: 18/06/2020

Sample Information

Description: Black and White Striped 217gsm Polyester Woven Shade Fabric

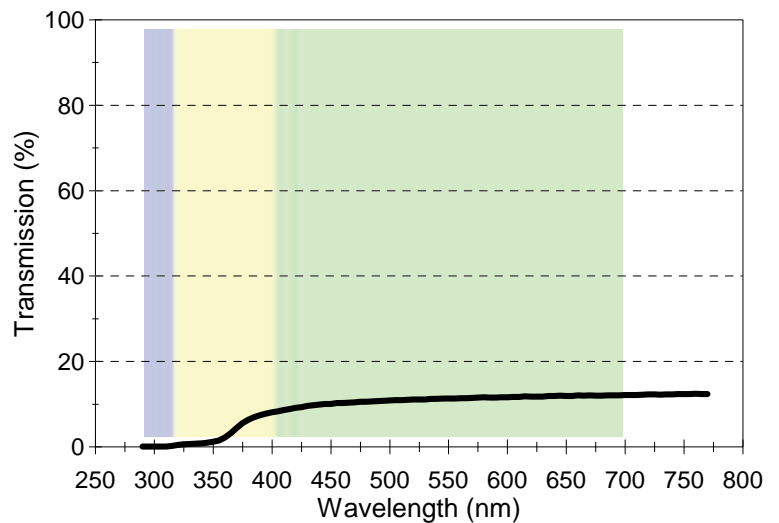
Sample Weight (gsm): 217 Specimens Tested: 10 Instrument: Bentham DTMc300F s/n 14294

Shade Fabric Results

S.D.

Cover Factor:	98	1.4
Shade Factor:	90.8	11.9
UV-Visible Transmittance (%):	9.2	11.9
UVR Transmittance (%):	2.7	3.5
UVR Block (%):	97.3	3.5
PAR Transmittance (%):	11.0	14.2
Designation:	Ultra-heavy cover	
Colour Code:	Beige	

UV-Visible Transmittance



Human Protection Results

Ultraviolet Effectiveness (UVE%):	99	0.4
Protection Category:	Most effective	

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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