



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-1

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Yellow

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Yellow Extrablock HDPE Shadecloth, Non-Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 94.3 ± 1.1
Designation: n/a
Colour code: n/a
Shade Factor: 75.6 ± 1.4
% Tav: 24.4 ± 1.4
% UVR: 5.8 ± 1.1
% PAR: 26.5 ± 1.5
% UVR Block: 94.2 ± 1.1

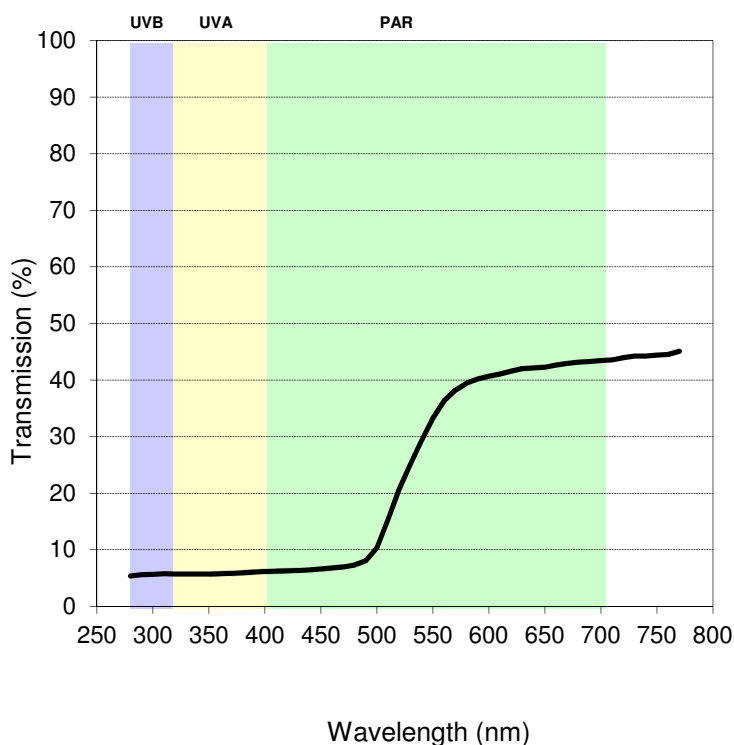
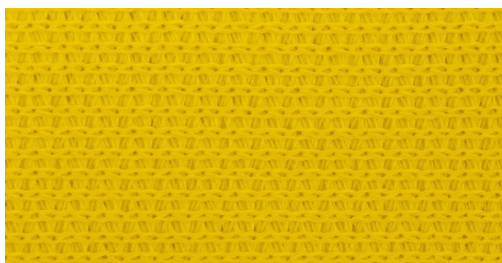
Number of Specimens Analysed: 10

Protection Factor Results

PF: 17.6 ± 1.9

Calculated PF: 16

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

Disclaimer

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-2

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Red

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Red Extrablock HDPE Shadecloth, Non-Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 96.9 ± 0.7
Designation: n/a
Colour code: n/a
Shade Factor: 85.8 ± 0.9
% Tav: 14.2 ± 0.9
% UVR: 3.1 ± 0.7
% PAR: 13.2 ± 0.9
% UVR Block: 96.9 ± 0.7

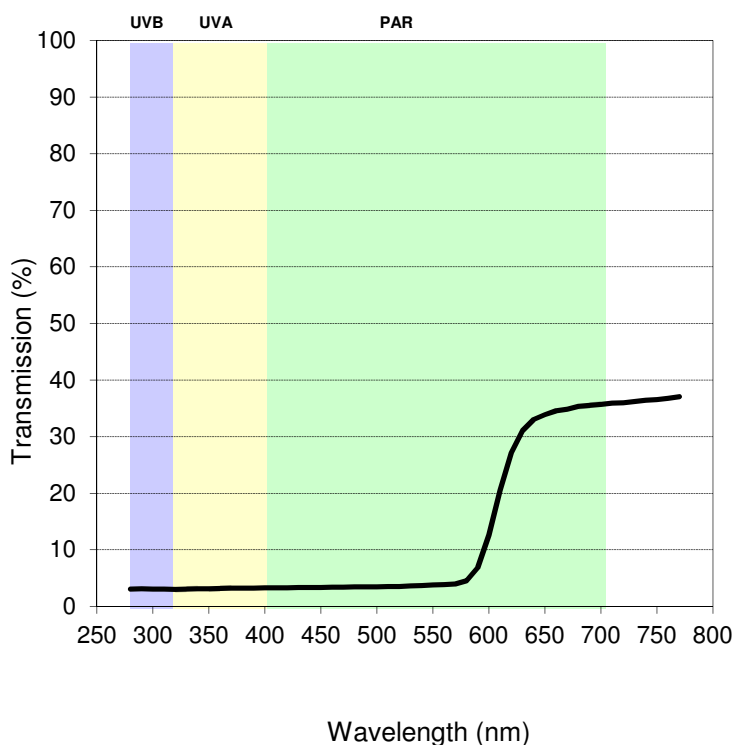
Number of Specimens Analysed: 10

Protection Factor Results

PF: 33.1 ± 4.4

Calculated PF: 29

Material Sample



Review of Results

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Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-3

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Plain Beige

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Plain Beige Extrablock HDPE Shadecloth, Non-Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 97.3 ± 0.5
Designation: n/a
Colour code: n/a
Shade Factor: 87.1 ± 0.9
% Tav: 12.9 ± 0.9
% UVR: 3.2 ± 0.6
% PAR: 14.2 ± 1.0
% UVR Block: 96.8 ± 0.6

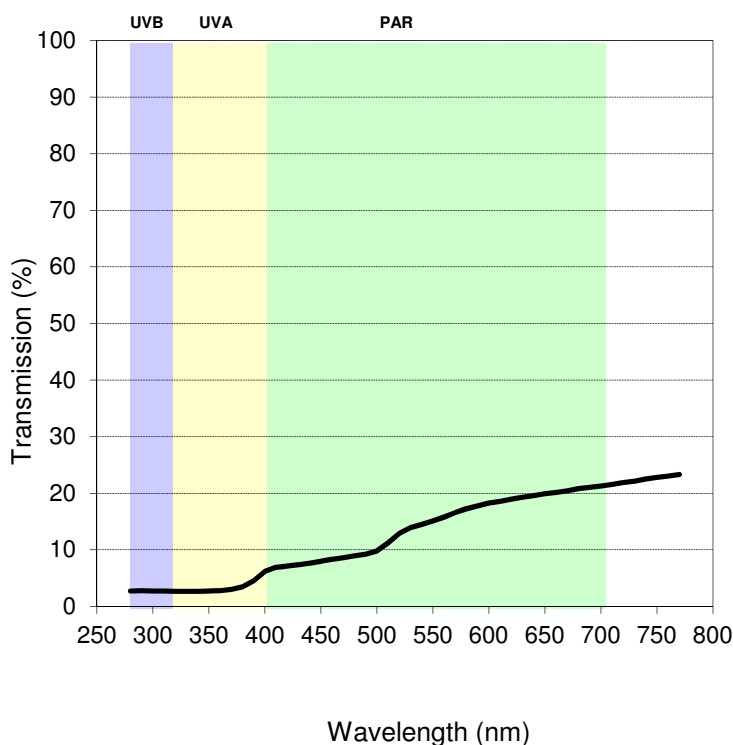
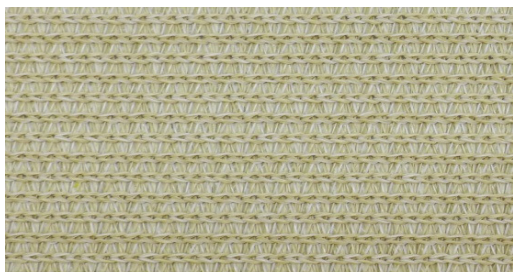
Number of Specimens Analysed: 10

Protection Factor Results

PF: 36.6 ± 3.4

Calculated PF: 33

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-4

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Plain Cream

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Plain Cream Extrablock HDPE Shadecloth, Non-Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 93.6 ± 1.5
Designation: n/a
Colour code: n/a
Shade Factor: 73.8 ± 1.4
% Tav: 26.2 ± 1.4
% UVR: 7.8 ± 1.5
% PAR: 30.1 ± 1.4
% UVR Block: 92.2 ± 1.5

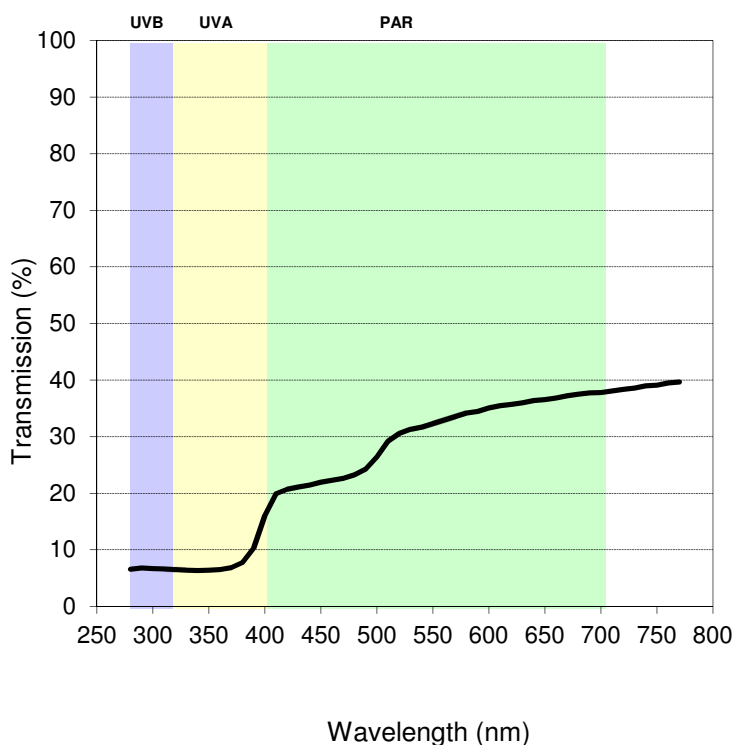
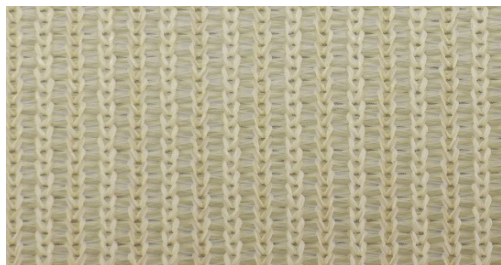
Number of Specimens Analysed: 10

Protection Factor Results

PF: 15.2 ± 1.8

Calculated PF: 13

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-5

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Navy

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Navy Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 96.4 ± 1.5
Designation: n/a
Colour code: n/a
Shade Factor: 95.5 ± 1.4
% Tav: 4.5 ± 1.4
% UVR: 3.8 ± 1.4
% PAR: 4.6 ± 1.4
% UVR Block: 96.2 ± 1.4

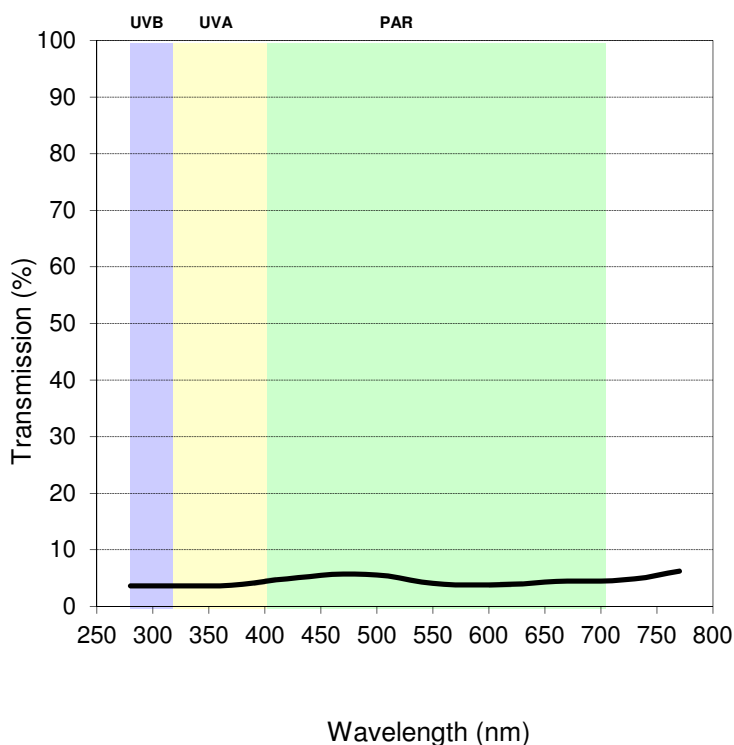
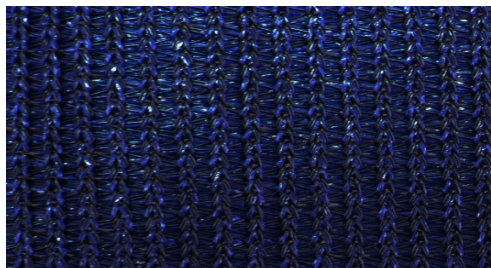
Number of Specimens Analysed: 10

Protection Factor Results

PF: 28.3 ± 5.3

Calculated PF: 23

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-6

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Olive Green

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Olive Green Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 96.4 ± 0.6
Designation: n/a
Colour code: n/a
Shade Factor: 95.5 ± 0.6
% Tav: 4.5 ± 0.6
% UVR: 3.5 ± 0.6
% PAR: 4.5 ± 0.6
% UVR Block: 96.5 ± 0.6

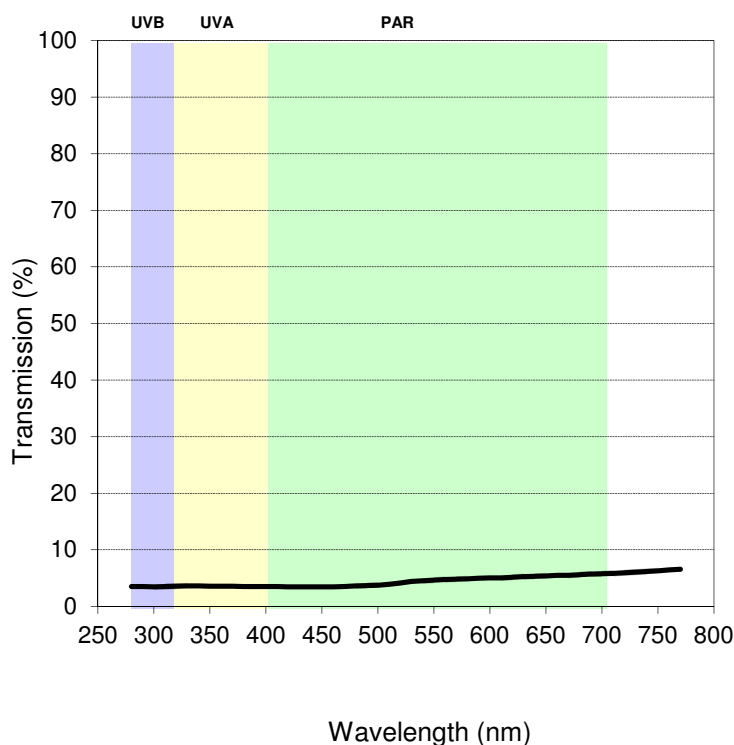
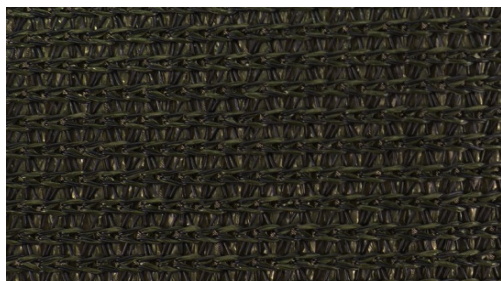
Number of Specimens Analysed: 10

Protection Factor Results

PF: 28.7 ± 2.5

Calculated PF: 26

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
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Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-7

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour:

True Blue

Analysis Date: 15/07/2015

Instrumentation:

Bentham DTMc300F, s/n 14294

Description: True Blue Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 94.9 ± 1.4
Designation: n/a
Colour code: n/a
Shade Factor: 88.7 ± 1.2
% Tav: 11.3 ± 1.2
% UVR: 6.9 ± 1.4
% PAR: 13.5 ± 1.2
% UVR Block: 93.1 ± 1.4

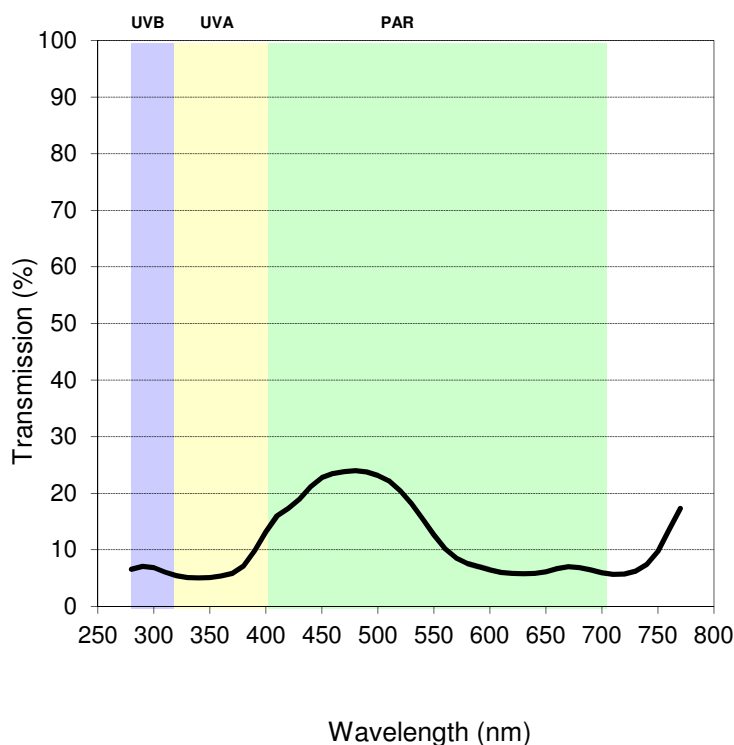
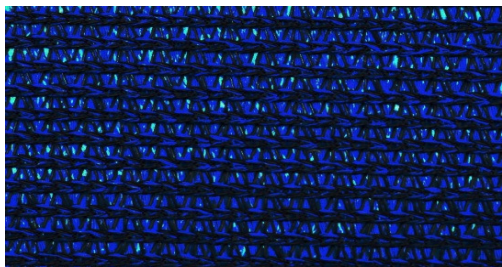
Number of Specimens Analysed: 10

Protection Factor Results

PF: 16.2 ± 1.9

Calculated PF: 14

Material Sample



Review of Results

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Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-8

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Brown

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Brown Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 95.0 ± 0.9
Designation: n/a
Colour code: n/a
Shade Factor: 93.2 ± 1.1
% Tav: 6.8 ± 1.1
% UVR: 4.9 ± 0.9
% PAR: 6.8 ± 1.1
% UVR Block: 95.1 ± 0.9

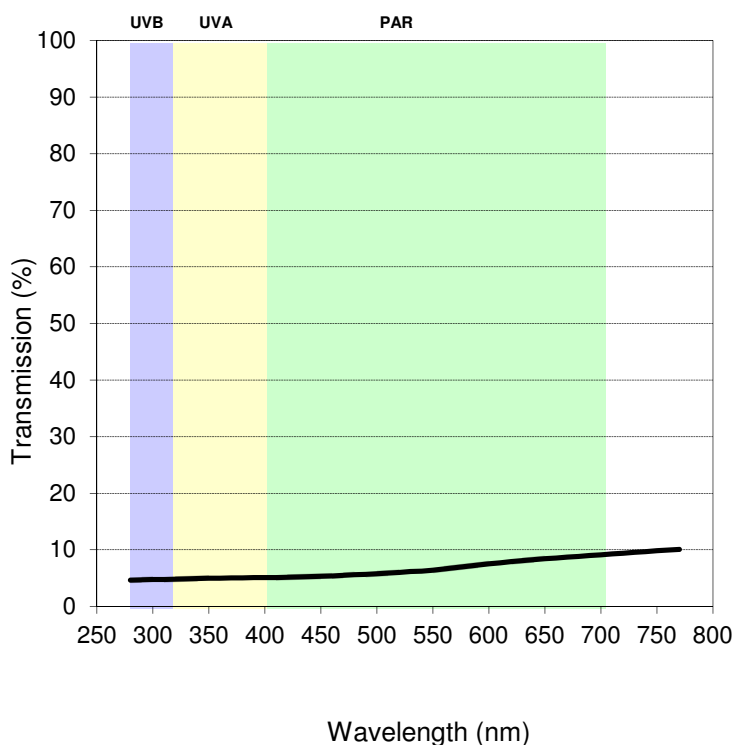
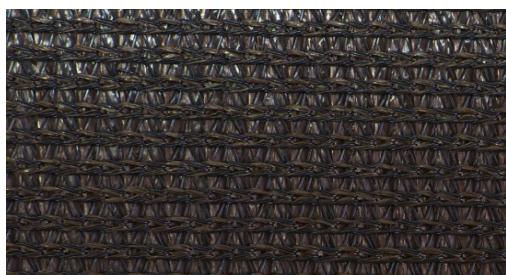
Number of Specimens Analysed: 10

Protection Factor Results

PF: 21.0 ± 2.0

Calculated PF: 19

Material Sample



Review of Results

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Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-9

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Forest Green

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Forest Green Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 96.2 ± 0.5
Designation: n/a
Colour code: n/a
Shade Factor: 93.7 ± 0.7
% Tav: 6.3 ± 0.7
% UVR: 4.0 ± 0.5
% PAR: 7.0 ± 0.8
% UVR Block: 96.0 ± 0.5

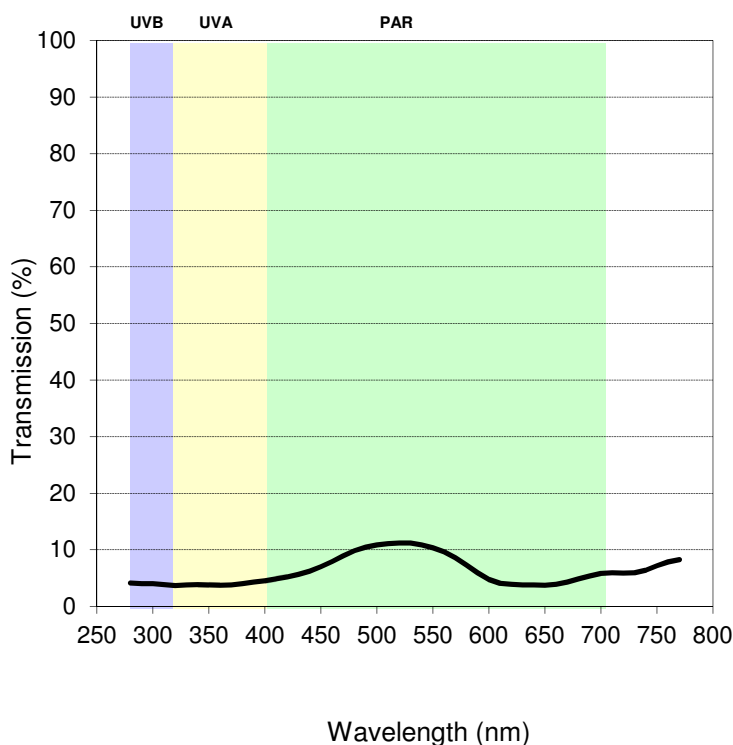
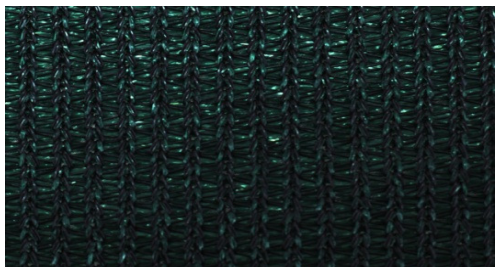
Number of Specimens Analysed: 10

Protection Factor Results

PF: 25.7 ± 1.5

Calculated PF: 24

Material Sample



Review of Results

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-10

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Bottle Green

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Bottle Green Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 94.6 ± 1.1
Designation: n/a
Colour code: n/a
Shade Factor: 91.0 ± 1.0
% Tav: 9.0 ± 1.0
% UVR: 6.1 ± 1.1
% PAR: 10.1 ± 0.9
% UVR Block: 93.9 ± 1.1

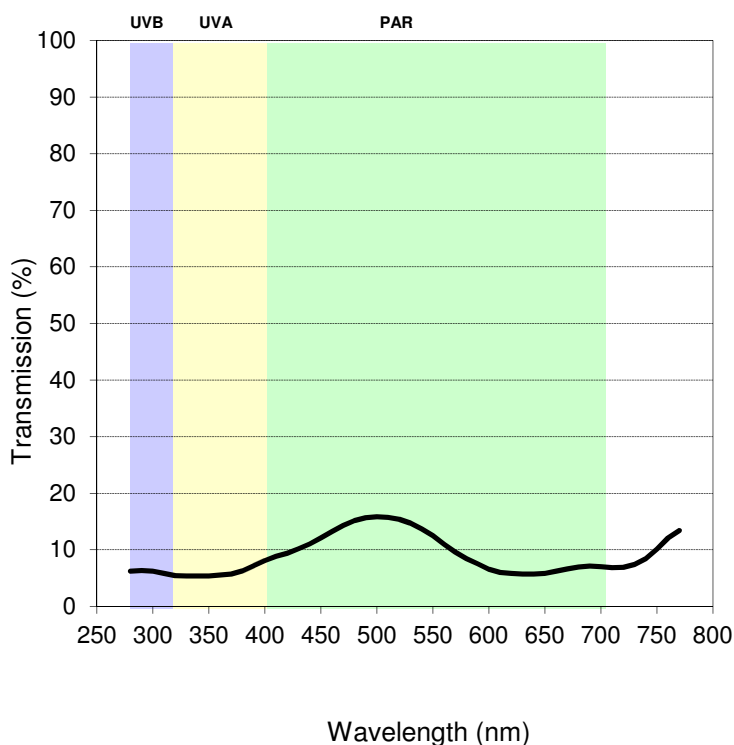
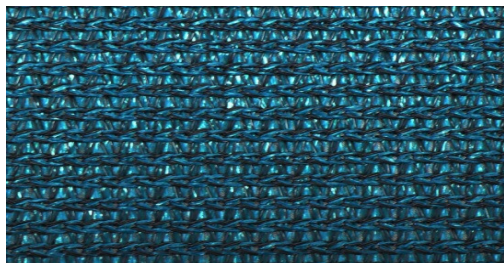
Number of Specimens Analysed: 10

Protection Factor Results

PF: 17.1 ± 1.5

Calculated PF: 16

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

Disclaimer

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-11

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Charcoal

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Charcoal Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 95.8 ± 1.6
Designation: n/a
Colour code: n/a
Shade Factor: 94.2 ± 1.8
% Tav: 5.8 ± 1.8
% UVR: 4.3 ± 1.7
% PAR: 5.9 ± 1.8
% UVR Block: 95.7 ± 1.7

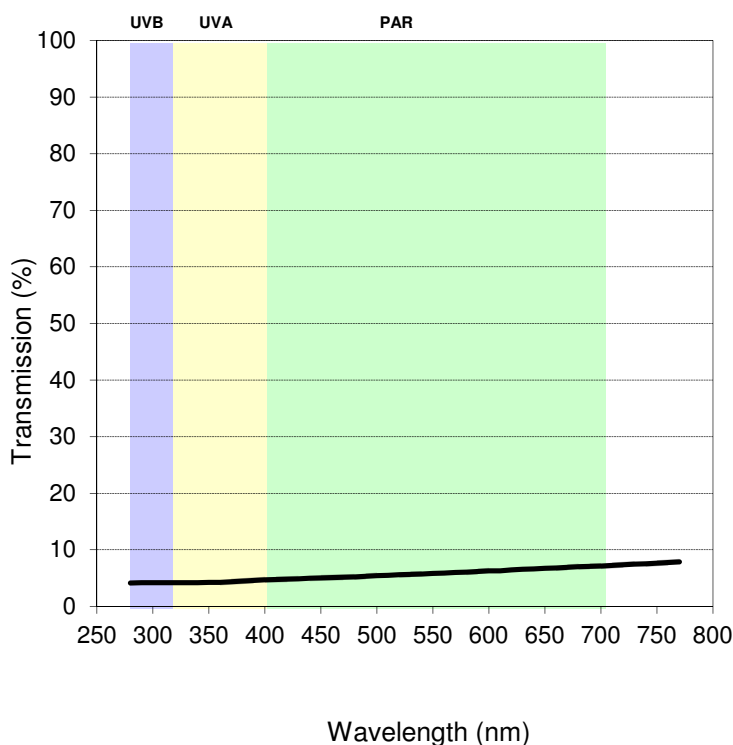
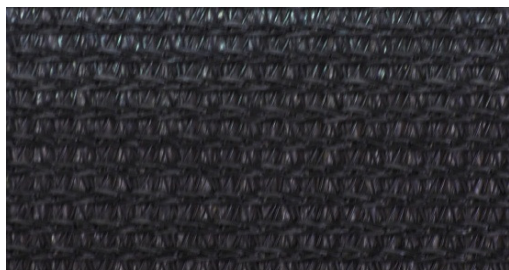
Number of Specimens Analysed: 10

Protection Factor Results

PF: 24.6 ± 4.6

Calculated PF: 20

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

Disclaimer

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-12

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Midnight

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Midnight Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 97.7 ± 1.5
Designation: n/a
Colour code: n/a
Shade Factor: 97.6 ± 1.5
% Tav: 2.4 ± 1.5
% UVR: 2.3 ± 1.5
% PAR: 2.3 ± 1.5
% UVR Block: 97.7 ± 1.5

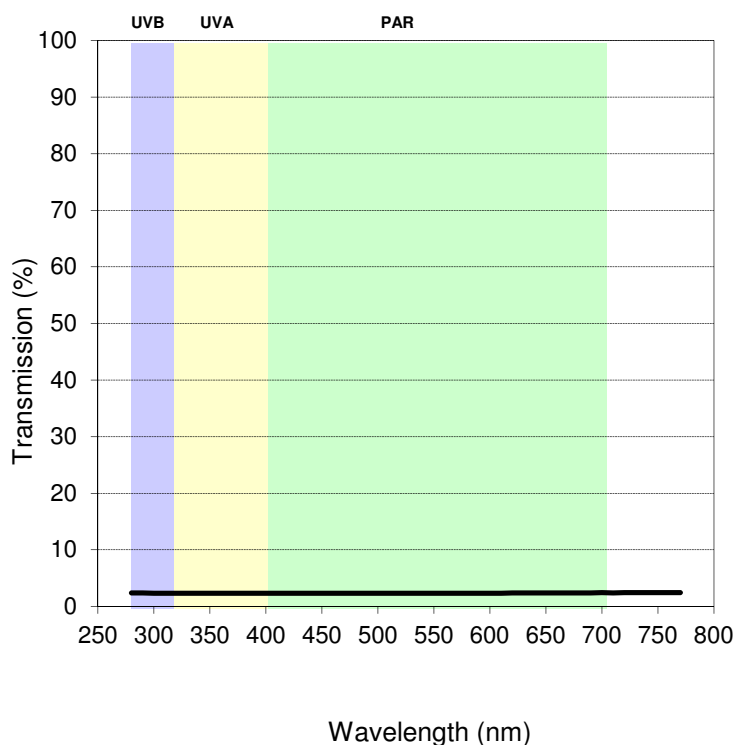
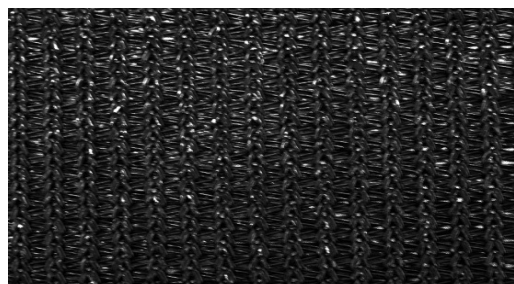
Number of Specimens Analysed: 10

Protection Factor Results

PF: 46.6 ± 14.1

Calculated PF: 33

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

Disclaimer

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-13

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Latte

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Latte Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 95.0 ± 0.6
Designation: n/a
Colour code: n/a
Shade Factor: 89.6 ± 0.7
% Tav: 10.4 ± 0.7
% UVR: 5.4 ± 0.6
% PAR: 11.1 ± 0.7
% UVR Block: 94.6 ± 0.6

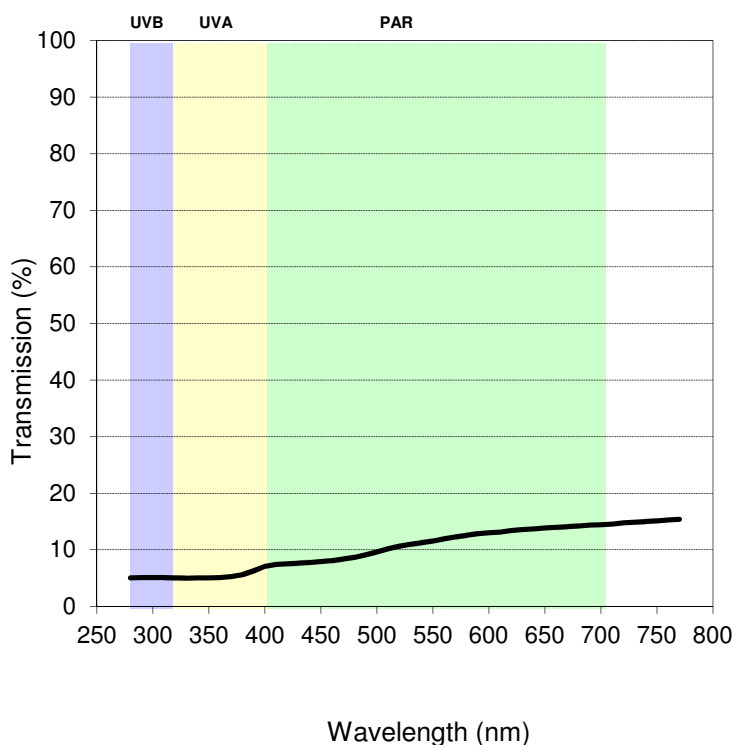
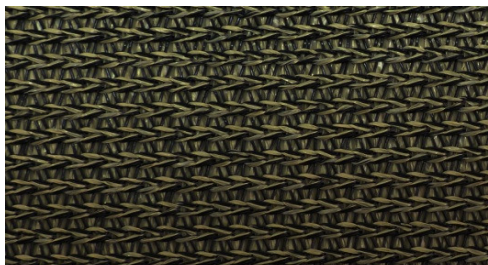
Number of Specimens Analysed: 10

Protection Factor Results

PF: 19.7 ± 1.3

Calculated PF: 18

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-14

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour:

Sun Blaze

Analysis Date: 15/07/2015

Instrumentation:

Bentham DTMc300F, s/n 14294

Description: Sun Blaze Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 93.5 ± 1.0
Designation: n/a
Colour code: n/a
Shade Factor: 91.0 ± 1.2
% Tav: 9.0 ± 1.2
% UVR: 6.4 ± 1.1
% PAR: 8.5 ± 1.2
% UVR Block: 93.6 ± 1.1

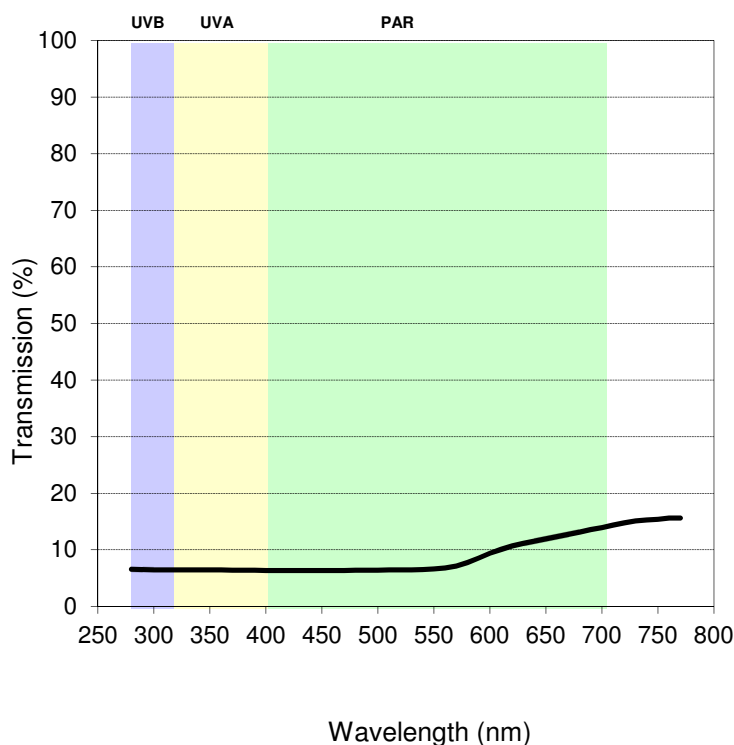
Number of Specimens Analysed: 10

Protection Factor Results

PF: 15.5 ± 1.3

Calculated PF: 14

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-15

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Plain Silver

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Plain Silver Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 87.8 ± 0.8
Designation: Extra-heavy
Colour code: n/a
Shade Factor: 87.9 ± 0.8
% Tav: 12.1 ± 0.8
% UVR: 12.2 ± 0.8
% PAR: 12.2 ± 0.8
% UVR Block: 87.8 ± 0.8

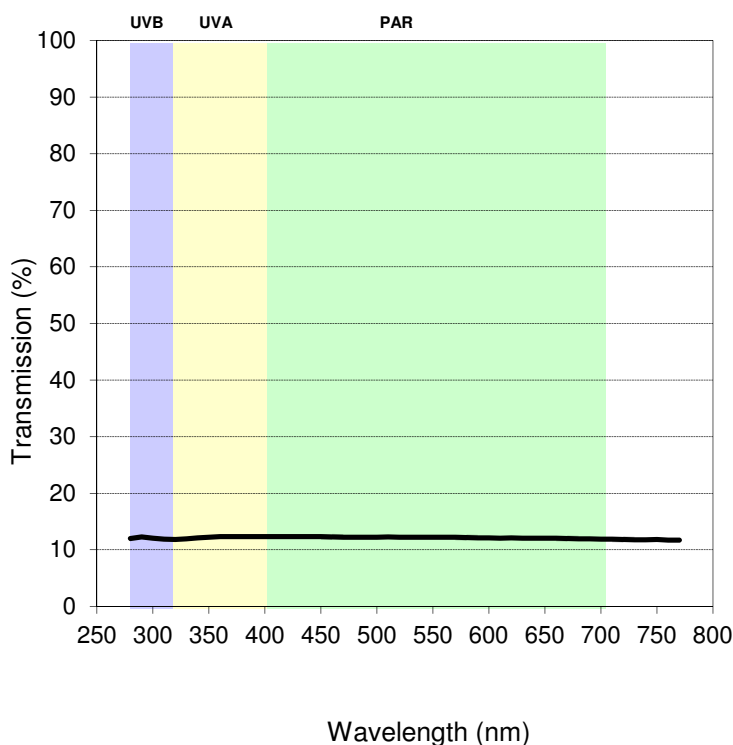
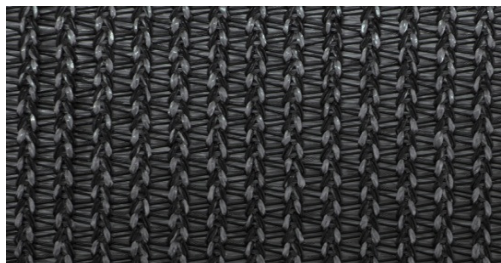
Number of Specimens Analysed: 10

Protection Factor Results

PF: 8.4 ± 0.3

Calculated PF: 8

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-16

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Mint Green

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Mint Green Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 95.1 ± 1.3
Designation: n/a
Colour code: n/a
Shade Factor: 92.7 ± 1.0
% Tav: 7.3 ± 1.0
% UVR: 5.1 ± 1.3
% PAR: 7.7 ± 1.0
% UVR Block: 94.9 ± 1.3

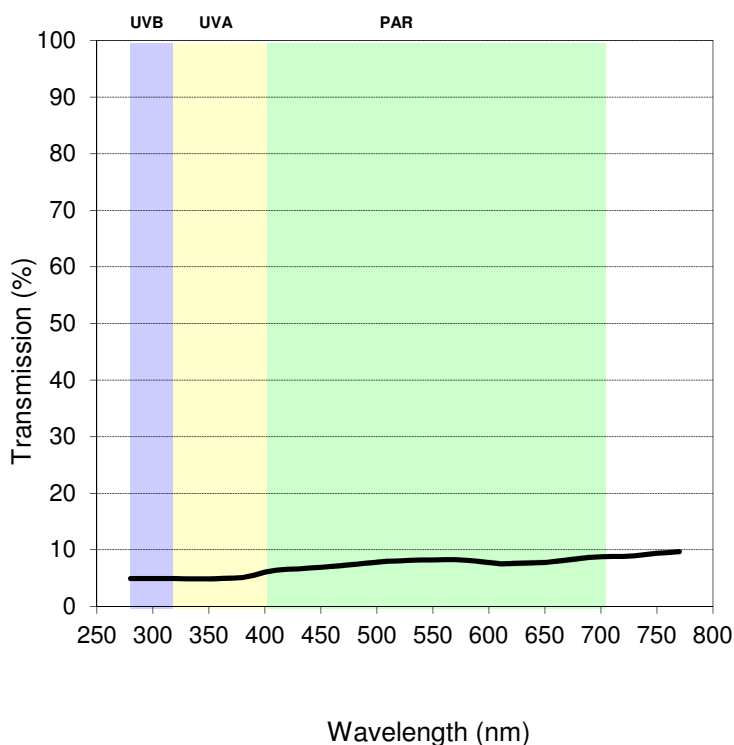
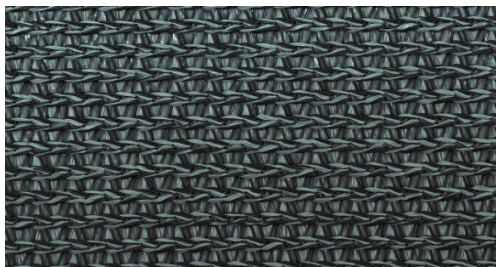
Number of Specimens Analysed: 10

Protection Factor Results

PF: 20.6 ± 2.3

Calculated PF: 18

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-17

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour:

Dove Blue

Analysis Date: 15/07/2015

Instrumentation:

Bentham DTMc300F, s/n 14294

Description: Dove Blue Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 93.3 ± 1.3
Designation: n/a
Colour code: n/a
Shade Factor: 90.0 ± 1.3
% Tav: 10.0 ± 1.3
% UVR: 7.3 ± 1.3
% PAR: 10.6 ± 1.3
% UVR Block: 92.7 ± 1.3

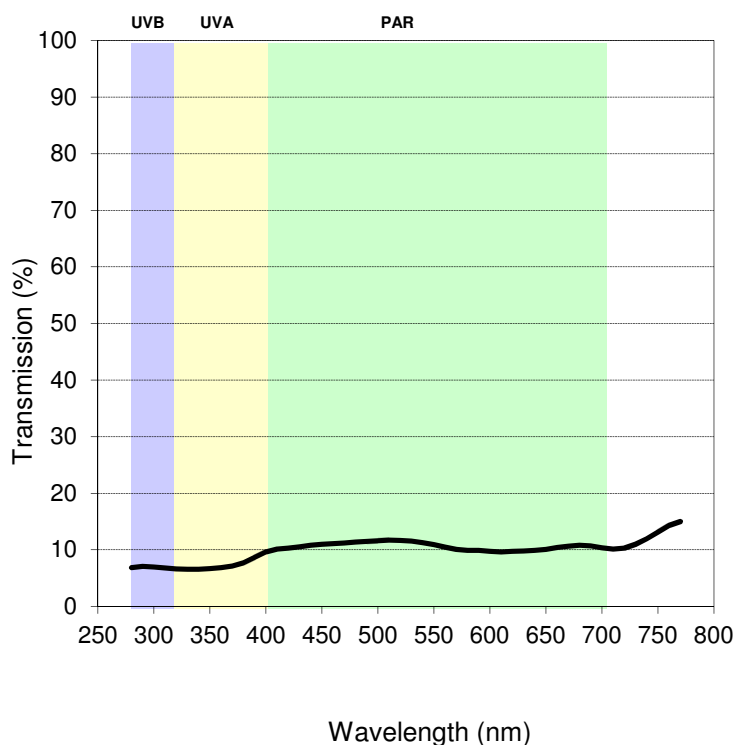
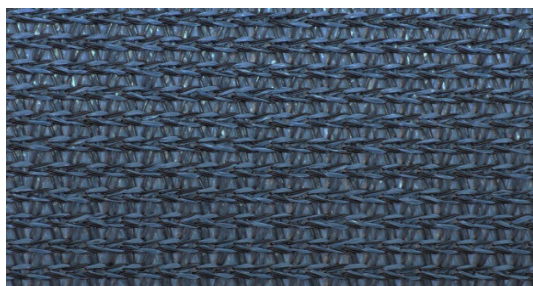
Number of Specimens Analysed: 10

Protection Factor Results

PF: 14.7 ± 1.4

Calculated PF: 13

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-18

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Oxide Red

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Oxide Red Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 93.1 ± 0.7
Designation: n/a
Colour code: n/a
Shade Factor: 90.9 ± 0.7
% Tav: 9.1 ± 0.7
% UVR: 6.9 ± 0.7
% PAR: 8.7 ± 0.6
% UVR Block: 93.1 ± 0.7

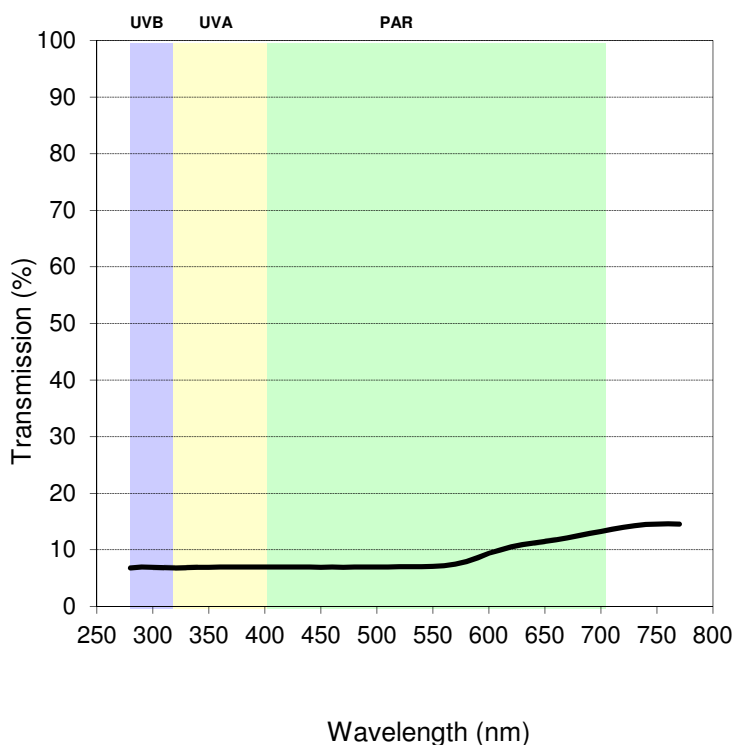
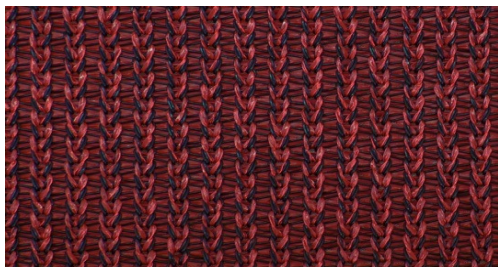
Number of Specimens Analysed: 10

Protection Factor Results

PF: 14.6 ± 0.8

Calculated PF: 14

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

Disclaimer

This report has been prepared in accordance with standard AS 4174-1994 - Synthetic Shadecloth, Appendix A and Appendix B. The ultraviolet radiation Protection Factor in this report is calculated in accordance with "UVR Protection offered by Shadecloths and Polycarbonates" published in Radiation Protection in Australia 1995, 13 (2) 50-54. When shadecloth is to be used for non-horticultural purposes such as shade structures or umbrellas the ultraviolet radiation transmission results and calculated protection factor should be used as a guide only as these measurements do not take into account important factors such as the design and size of the shade structure, the distance of the shadecloth from the subjects, the effect of indirect (reflected and diffuse) solar radiation and the physical location of the subjects within the shade structure (e.g. at the edge or at the centre). 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. The report shows the average of the measured values and due to physical differences from place to place in the material there may be variations between the specimens tested and the bulk material. 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 ARPANSA has given express written authority to do so. This test report may only be reproduced in full and without alteration. Version 1.0-12/02/2013

Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-19

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Analysis Date: 15/07/2015

Sample Colour:

Pearl Onyx

Instrumentation:

Bentham DTMc300F, s/n 14294

Description: Pearl Onyx Extrablock HDPE Shadecloth, Fire Retardant

Shadecloth Test Results

Cover Factor: 94.7 ± 1.3
Designation: n/a
Colour code: n/a
Shade Factor: 86.4 ± 1.5
% Tav: 13.6 ± 1.5
% UVR: 6.1 ± 1.3
% PAR: 15.4 ± 1.6
% UVR Block: 93.9 ± 1.3

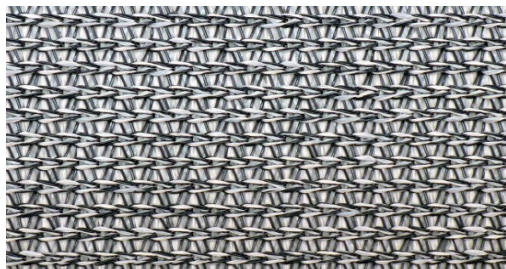
Number of Specimens Analysed: 10

Protection Factor Results

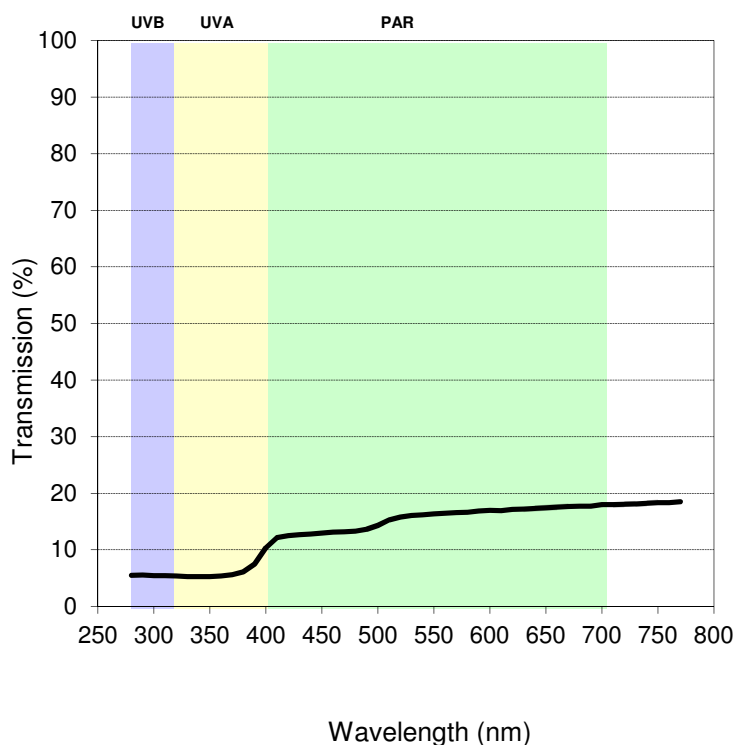
PF: 18.6 ± 2.3

Calculated PF: 16

Material Sample



Transmission Characteristics



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Technician: 
Chris Statham 15/07/2015

Signatory: 
Alan McLennan 15/07/2015



Shadecloth Test Report

Analysed for: Alnet Pty Ltd

ARPANSA Ref: 10554-20

Client Reference:

2859

Sample Information

Sample Type: Knitted Shadecloth

Sample Colour: Purple

Analysis Date: 15/07/2015

Instrumentation: Bentham DTMc300F, s/n 14294

Description: Purple Extrablock HDPE Shadecloth, Fire Retardent

Shadecloth Test Results

Transmission Characteristics

Cover Factor: 94.7 ± 1.3
Designation: n/a
Colour code: n/a
Shade Factor: 86.4 ± 1.5
% Tav: 13.6 ± 1.5
% UVR: 6.1 ± 1.3
% PAR: 15.4 ± 1.6
% UVR Block: 93.9 ± 1.3

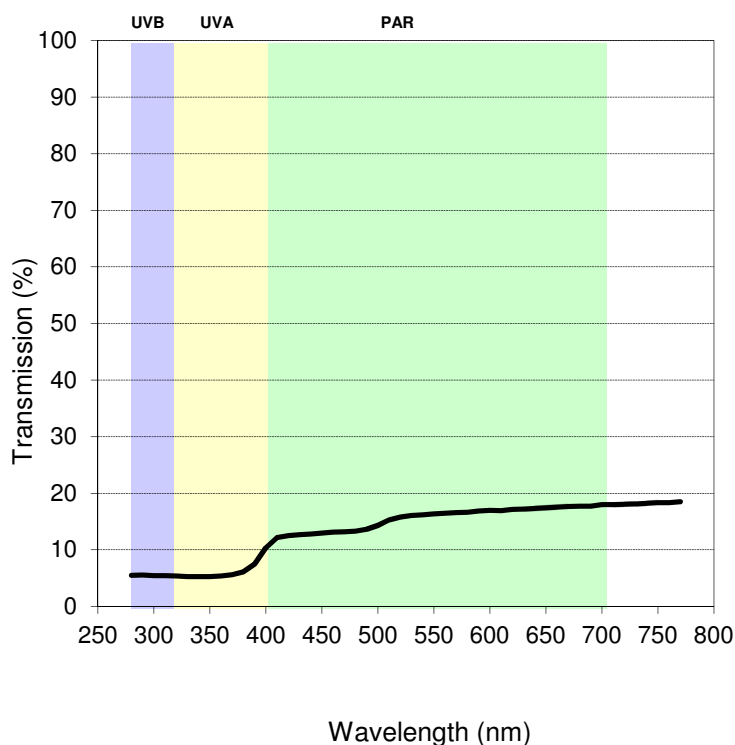
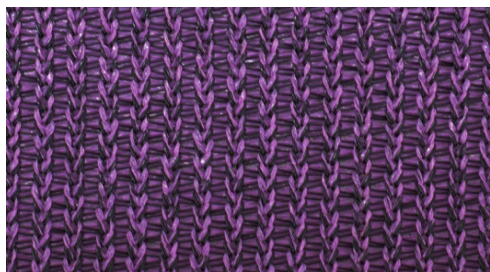
Number of Specimens Analysed: 10

Protection Factor Results

PF: 18.6 ± 2.3

Calculated PF: 16

Material Sample



Review of Results

When designing shade structures consider using the most protective shadecloth available. Note that the calculated protection factor is for the material only and does not address the design of the product as it does not account for the effect of indirect UVR when situated at a distance from the persons being protected. NOTE: The following disclaimer must be used when quoting the calculated protection factor (PF) results from this test report: **"The calculated protection factor is for the material only and does not account for the effect of indirect UVR when situated at a distance from the persons being protected."**

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Alan McLennan 15/07/2015

Guide to Interpretation of Shadecloth reports

At ARPANSA shadecloth testing is carried out in accordance with Australian Standard AS4174-1994 Synthetic Shadecloth. The ultraviolet radiation protection factor is calculated in accordance with "UVR Protection offered by Shadecloths and Polycarbonates" published in Radiation Protection in Australia 1995, 13 (2) 50-54.

Cover Factor: The percentage area of the cloth covered by the yarns and fibre of the structure of the material.

Designation: The designated weight of the shadecloth according to the calculated cover factor as per Table 1 of the shadecloth standard.

Colour Code: The colour according to the designated colour code shown in Table 1 of the shadecloth standard shall be knitted, woven or attached to the edge of the shadecloth.

Shade Factor: The percentage of normally incident UV-visible radiation in the range 290nm to 770nm not transmitted by the material.

%Tav: The average percentage transmission (290 to 770 nm).

%UVR: The average ultraviolet radiation (290 to 400 nm) passing through the test specimens.

%PAR: The average photosynthetically active radiation (400 to 700 nm) passing through the test specimens.

%UVR Block: The average UVR (290 to 400 nm) not transmitted by the test specimens.

Protection Factor (PF): The protection factor (PF) is calculated by comparing the photo-biologically effective irradiance without and with the test material in place for each sample and then averaged for the number of specimens analysed.

Calculated PF: The mean PF minus the standard deviation.

Number of Specimens Analysed: This shows how many measurements (or scans) were made on the test sample.

Material Sample: For positive identification, a sample of the material tested, or an image of the product, is attached to the report.

Transmission Characteristics: The graph shows the average of the measured transmissions.