

# Premium Hortshade<sup>®</sup> Light



Product Profile

Shadecloth Range

Rev.5 05/13

## Product Description

Premium Hortshade<sup>®</sup> Light is a high quality light-duty knitted shadecloth available in a range of colours and supplied in bulk rolls for a wide range of industrial, horticultural and agricultural applications.

## Material

Yarn UV stabilised HDPE  
Construction Monofilament yarn  
Pattern Lock-stitch knitted  
Temperature range -30°C to +75°C

## Features

- Meets Australian standard AS 4174 – 1994 Synthetic Shadecloth.
- 10 year UV warranty on fabric.
- Strong HDPE fabric won't rot or absorb moisture.
- 100% recyclable material
- 100% Lead and Phthalate Free
- Greenguard<sup>®</sup> and Oeko-Tex<sup>®</sup> certified

## Usage Instructions

- Fabric is not flame proof.
- Contact with chemicals and/or pesticides that contain sulphur, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty.

## Properties

Nominal fabric mass 178 gsm ± 20  
(AS 2001.2.13)  
Approximate Thickness 0.84mm

## Performance

Tensile Strength - Warp 661 N/50mm  
Elongation at break 55.6 %  
Tensile Strength - Weft 836 N/50mm  
Elongation at break 66.0 %  
(AS 2001.2.3)  
Wing Tear – Warp (mean) 123 N  
(AS 2001.2.10)  
Wing Tear – Weft (mean) 127 N  
(AS 2001.2.10)  
Bursting Pressure (mean) 2000 kPa  
(AS 2001.2.4)  
Bursting Force (mean) 1090 N  
(AS 2001.2.19)

## Flammability

(AS 1530.2)  
Flammability index (range 0-100) 10

## Suggested Specification

Shadecloth fabric shall be compliant to AS 4174 and shall be Synthesis Premium Hortshade Light knitted HDPE monofilament shade fabric

| Colour       | Code   | Nom. Width         | Length | Cover Factor | Av. % Transmis. | Shade Factor | Av. UVR Transmis. | AV. PAR Transmis. | % UVR Block |
|--------------|--------|--------------------|--------|--------------|-----------------|--------------|-------------------|-------------------|-------------|
| Forest Green | 428938 | 1.83 m             | 50 m   | 54%          | 50%             | 50%          | 48%               | 51%               | 52%         |
| Black        | 428921 |                    |        |              | 44%             | 56%          | 47%               | 44%               | 53%         |
| White        | 428945 |                    |        |              | 71%             | 29%          | 46%               | 78%               | 54%         |
| Forest Green | 428969 | 3.66 m<br>(Folded) | 50 m   |              | 50%             | 50%          | 48%               | 51%               | 52%         |
| Black        | 428952 |                    |        |              | 44%             | 56%          | 47%               | 44%               | 53%         |
| White        | 428976 |                    |        |              | 71%             | 29%          | 46%               | 78%               | 54%         |

Approx. roll weight: 1.83 m 3.66 m  
16.8 kg 32 kg  
Approx. roll diameter: 0.25 m 0.35 m  
Core diameter: 35 mm 35 mm

### Tested according to AS 4174 Synthetic Shadecloth

Av. % Transmis. = Average % Transmission within the 290-770nm spectrum  
Av. UVR Transmis. = Average % Transmission within the 290-400nm spectrum  
Av. PAR Transmis. = Average % Transmission within the 408-770nm spectrum

The above results are typical averages from quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between Gale Pacific and another party. Due to continuous product improvement, Product Profiles are subject to alteration without notice.

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