



Premium Hortshade® Heavy is a high quality heavy-duty knitted shade cloth designed for a wide range of industrial, horticultural and agricultural applications; available in a range of colours and supplied in bulk rolls.

- Meets Australian standard AS 4174 – 2018 Synthetic Shade cloth.
- 10 year UV warranty on fabric.
- Strong HDPE fabric won't rot or absorb moisture.
- 100% recyclable material
- 100% Lead and Phthalate Free
- Greenguard® and Oeko-Tex® certified
- Designed to meet harsh weather conditions.

FABRIC PROPERTIES

(AS 2001.2.13) mass per unit

Nominal fabric mass	276 gsm ± 20
Approximate thickness	1.35 mm
Yarn thickness	>0.2mm
Aperture	<1.6mm

ROLL SPECIFICATIONS

Nominal width:	2m / 4m (folded)
Length:	50m
Approx. roll weight:	29kg / 58kg
Approx. roll diameter:	0.65 m
Core diameter:	35 mm

USAGE INSTRUCTIONS

Do not use against flames.
Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty.

Biaxial elastic material properties available on request.

SUGGESTED SPECIFICATION

Shade cloth fabric shall be compliant to AS 4174 and shall be Synthesis Premium Hortshade Heavy knitted HDPE monofilament shade fabric

FLAMMABILITY

Part 2 & 3 certificates available on request

(AS 1530.2) Part 2 - Flammability of Materials

Flammability Index (Range 0-100) 18

PERFORMANCE

(AS 2001.2.3.1-2001) Maximum Force and Elongation - Strip Method

Maximum Force – Warp (Mean)	460 N/50mm
Elongation at Maximum Force – Warp (Mean)	115 %
Maximum Force – Weft (Mean)	1800 N/50mm
Elongation at Maximum Force (Mean)	88 %

(AS 2001.2.3.2-2001) Breaking Force - Grab Test

Breaking Force – Warp (Mean)	480 N
Breaking Force – Weft (Mean)	1600 N

(AS 2001.2.10-1986) Tear Resistance – Wing Rip Method

Wing Tear – Warp (mean)	96.2 N
Wing Tear – Weft (mean)	249 N

(AS 2001.2.4) Bursting Pressure – Hydraulic Diaphragm Method

Bursting Pressure (mean)	2260 kPa
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(AS 2001.2.19-1988) Bursting Force – Ball Burst Method

Bursting Force (mean)	996 N
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Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	PAR Trans %	Designation
Forest Green	79	78.0	22.0	20.3	79.7	22.1	Heavy
Black	78	78.5	21.5	21.6	78.4	21.5	Heavy



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