



Premium Hortshade® Medium is a high quality medium-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	220 gsm ± 20
Approximate thickness	1.18 mm

ROLL SPECIFICATIONS

Nominal width:	2m / 4m (folded)
Length:	50m
Approx. roll weight:	23kg / 46kg
Approx. roll diameter:	0.40 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 Medium 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) 11

PERFORMANCE

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

Maximum Force – Warp (Mean)	480 N/50mm
Elongation at Maximum Force – Warp (Mean)	88 %
Maximum Force – Weft (Mean)	1500 N/50mm
Elongation at Maximum Force (Mean)	76 %

(AS 2001.2.3.2-2001) Breaking Force - Grab Test

Breaking Force – Warp (Mean)	440 N
Breaking Force – Weft (Mean)	1300 N

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

Wing Tear – Warp (mean)	109 N
Wing Tear – Weft (mean)	247 N

(AS 2001.2.4) Bursting Pressure – Hydraulic Diaphragm Method

Bursting Pressure (mean)	2350 kPa
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(AS 2001.2.19-1988) Bursting Force – Ball Burst Method

Bursting Force (mean)	991 N
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Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	PAR Trans %	Designation
Forest Green	68	67.0	33.0	31.7	68.3	33.1	Medium
Black	67	67.7	32.3	32.3	67.7	32.3	Medium
White	68	53.2	46.8	31.5	68.5	50.6	Medium



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