

Commercial 95[®]



Product Profile

Shadecloth Range

Rev.13 5/13

Product Description

Commercial 95[®] is a high quality knitted shade fabric supplied in bulk rolls, designed for tension structures, awnings and shade covers specifically for commercial architectural applications.

Material

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

Features

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- 10 year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Greenguard[®] and Oeko-Tex[®] certified
- Engineered in Australia to meet the harsh

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.

Properties

Nominal fabric mass (AS 2001.2.13)	340 gsm ± 20
Approximate thickness	1.6 mm

Performance

Tensile Strength - Warp	635 N/50mm
Elongation at break	95.6 %
Tensile Strength - Weft	2494 N/50mm
Elongation at break (AS 2001.2.3.1)	70.4 %
Wing Tear – Warp (mean)	187 N
Wing Tear – Weft (mean) (AS 2001.2.10)	359 N
Bursting Pressure (mean) (AS 2001.2.4)	3500 kPa
Bursting Force (mean) (AS 2001.2.19)	2146 N

Flammability

(AS 1530.2)
Flammability Index (range 0-100) 14

Suggested Specification

Shadecloth fabric shall be compliant to Australian standard AS 4174 and shall be Synthesis Commercial 95 knitted HDPE monofilament & tape shade fabric offering a UV block up to 97%.

Colour	Code	Nom Width	Length	Cover Factor	Shade Factor	Av % Trans	Av. UVR Trans	Av. PAR Trans	% UVR Block	UPF Rating	UPF Mean
Aquatic Blue	444938	3.00 m (folded)	40 m	96.8%	90.2	9.8%	6.4%	11.2%	93.6%	15.0	32.2
Black	444945			98.2%	97.4	2.6%	2.7%	97.4%	35.0	59.8	
Brunswick Green	444952			96.2%	93.9	6.1%	4.9%	95.1%	15.0	32.6	
Cayenne	455255			92.0%	87.0	13.0%	6.0%	11.6%	94.0%	11.0	14.7
Cedar	465360			94.9%	87.7	12.3%	5.3%	12.6%	94.7%	18.0	19.4
Charcoal	444969			94.7%	94.2	5.8%	5.3%	5.8%	94.7%	11.4	23.2
Cherry Red	444976			90.1%	75.3	24.7%	10.7%	22.4%	89.3%	8.8	12.1
Desert Sand	444983			94.0%	85.0	15.0%	3.6%	16.1%	96.4%	10.0	20.3
Deep Ochre	444990			95.1%	91.3	8.7%	5.6%	8.5%	94.4%	12.1	26.3
Gun Metal	455262			97.1%	96.2	3.8%	2.3%	3.9%	97.7%	23.0	54.9
Natural	445003			97.9%	74.3	25.7%	3.2%	30.1%	96.8%	35.0	62.4
Navy Blue	445010			96.2%	94.4	5.6%	4.8%	5.7%	95.2%	14.7	33.3
Rivergum Green	445027			94.7%	85.0	15.0%	7.7%	15.6%	92.3%	12.6	20.8
Sky Blue	445034			95.2%	90.4	9.6%	6.2%	9.9%	93.8%	16.0	21.3
Steel Grey	445041			95.6%	88.4	11.6%	7.0%	12.3%	93.0%	13.1	26.1
Turquoise	445058			94.0%	90.0	10.0%	5.7%	11.7%	94.3%	11.9	18.0
Yellow	445072			98.3%	77.2	22.8%	2.9%	25.0%	97.1%	45.0	71.3

Approx. roll weight: 44 kg
Approx. roll diameter: 0.32 m
Core diameter: 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
UPF (Ultraviolet Protection Factor)
UPF (Rating) = actual rating assigned to material tested, inc standard deviation.
UPF (Mean) = average of UPF values tested, excludes standard deviation.

The above results are typical averages from independent testing and 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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