

Commercial 95TM



Rev.8 02/09

Product Profile

Shadecloth Range

Product Description

Commercial 95TM 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 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.
 Engineered in Australia to meet the harsh climate.

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 340 gsm ± 20
 (AS 2001.2.13)
 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 70.4 %
 (AS 2001.2.3.1)
 Wing Tear – Warp (mean) 187 N
 Wing Tear – Weft (mean) 359 N
 (AS 2001.2.10)
 Bursting Pressure (mean) 3500 kPa
 (AS 2001.2.4)
 Bursting Force (mean) 2146 N
 (AS 2001.2.19)

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%	6.3%	95.1%	15.0	32.6
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
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

Tested according to AS 4174 Synthetic Shadecloth

Approx. roll weight: 44 kg
 Approx. roll diameter: 0.32 m
 Core diameter: 35 mm

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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