



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

- Trusted name in Commercial knitted fabric with over 20 years of market usage in the worlds harshest conditions
- Manufactured with 100% virgin grade polymers ensuring fabric consistency and performance
- Strong HDPE results in a fabric that is recyclable and won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage once installed and for ease of fabrication.
- Full 10-year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Greenguard® and Oeko-Tex® certified

## FABRIC PROPERTIES

(AS 2001.2.13) mass per unit

Nominal fabric mass 340 gsm ± 20  
Approximate thickness 1.6 mm

## ROLL SPECIFICATIONS

Nominal width: 3.0m (folded)  
Length: 40m  
Approx. roll weight: 44 kg  
Approx. roll diameter: 0.32 m  
Core diameter: 50 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 Australian standard AS 4174:2018 and shall be GALE Pacific Commercial 95 Knitted HDPE monofilament & tape shade fabric offering a UVE Protection Category of "Very Effective".

## FLAMMABILITY

Part 2 & 3 certificates available on request

**(AS 1530.2) Part 2 - Flammability of Materials**  
Flammability Index (Range 0-100) 12

**(AS 1530.3) Part 3 - Flammability of Materials**  
Ignitability Index (Range 0-20) 10  
Spread of Flame Index (Range 0-10) 7  
Heat Evolved Index (Range 0-10) 5  
Smoke Developed Index (Range 0-10) 4

## PERFORMANCE

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

Maximum Force – Warp (Mean) 670 N/50mm  
Elongation at Maximum Force – Warp (Mean) 117 %  
Maximum Force – Weft (Mean) 2400 N/50mm  
Elongation at Maximum Force (Mean) 83 %

### (AS 2001.2.3.2-2001) Breaking Force - Grab Test

Breaking Force – Warp (Mean) 990 N  
Breaking Force – Weft (Mean) 2000 N

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

Wing Tear – Warp (mean) 184 N  
Wing Tear – Weft (mean) 347 N

### (AS 2001.2.4) Bursting Pressure – Hydraulic Diaphragm Method

Bursting Pressure (mean) 3500 kPa

### (AS 2001.2.19-1988) Bursting Force – Ball Burst Method

Bursting Force (mean) 1937 N

### (AS 4174:2018) Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Aquatic Blue	92	85.6	14.4	8.9	91.1	91	Very Effective
Black	94	94.6	5.4	5.2	94.8	93	Very Effective
Bright Green	92	88.6	11.4	7.5	92.5	91	Very Effective
Brown	93	91.5	8.5	6.9	93.1	92	Very Effective
Brunswick Green	94	93.8	6.2	5.3	94.7	93	Very Effective
Cayenne	92	85.3	14.7	7.6	92.4	91	Very Effective
Cedar	93	87.3	12.7	6.4	93.6	93	Very Effective
Charcoal	93	93.1	6.9	6.6	93.4	91	Very Effective
Cherry Red	91	78.4	21.6	8.8	91.2	91	Very Effective
Deep Ochre	94	92.8	7.2	5.4	94.6	93	Very Effective
Desert Sand	94	86.1	13.9	6.2	93.8	93	Very Effective
Gun Metal	93	91.4	8.6	6.8	93.2	92	Very Effective
Natural	93	76.2	23.8	6.9	93.1	92	Very Effective
Navy Blue	94	93.6	6.4	5.6	94.4	93	Very Effective
Orange	93	80.6	19.4	6.0	94.0	93	Very Effective
Rivergum Green	93	88.7	11.3	7.1	92.9	92	Very Effective
Royal Purple	91	87.7	12.3	8.9	91.1	91	Very Effective
Sky Blue	92	89.0	11.0	7.8	92.2	91	Very Effective
Steel Grey	94	90.9	9.1	5.7	94.3	93	Very Effective
Turquoise	92	86.0	14.0	8.5	91.5	91	Very Effective
White	93	73.9	26.1	7.1	92.9	92	Very Effective
Yellow	95	77.6	22.4	4.5	95.5	94	Very Effective



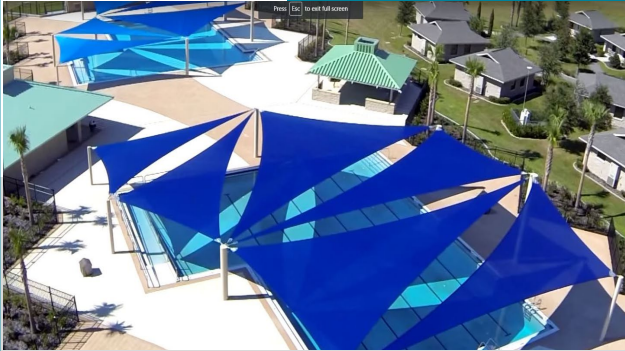
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Commercial 95 340 is the cornerstone of the GALE portfolio and the most trusted HDPE shade fabric in the industry with over 20 years of time-tested reliability. Commercial 95 delivers the utmost in versatility across a wide range of applications with an expansive assortment of modern and vibrant colors.

- A mid-weight fabric (340 gsm) suitable for applications spanning a wide array of sizes and designs, making Commercial 95 one of the most versatile HDPE shade fabrics in the industry.
- Provides the optimal combination of sun protection, strength, and durability to ensure low maintenance, and long-life performance.
- The most expansive color assortment in the HDPE shade fabric market. Offering 22 rich, vibrant and on-trend colors to fulfill a wide range of design requirements.
- Industry-leading stentering process provides premium lay flat characteristics to assist with accurate design and fabrication
- Backed by a full 10-year warranty against UV degradation and designed to withstand the world's harshest environments
- 100% Lead and Phthalate free

## FABRIC PROPERTIES

AS 2001.2.13

Mass per unit

Nominal fabric mass 340 gsm ± 20; 10 oz / yd<sup>2</sup>

Approximate thickness 0.06 in. / 1.6 mm

## ROLL SPECIFICATIONS

Nominal width: 9 ft. 10 in. / 3.0m (folded)

Length: 131 ft 3 in. / 40m

Approx. roll weight: 97 lbs. / 44 kg

Approx. roll diameter: 1.05 ft / 0.32 m

Core diameter: 1.38 in. / 35 mm

## USAGE INSTRUCTIONS

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## FLAMMABILITY

ASTM E84 19B Class A

## PERFORMANCE

### ASTM D5034

#### Tensile Strength and Elongation

Maximum Force – Warp (Mean) 189.1 lbf

Elongation at Maximum Force – Warp (Mean) 103.67 %

Maximum Force – Weft (Mean) 452.3 lbf

Elongation at Maximum Force (Mean) 63%

### ASTM D2261

#### Tearing Strength – Tongue (Single Rip)

Mean Force – Warp 52.2 lbf

Mean Force – Weft 52.2 lbf

### ASTM D6797

#### Bursting Strength – Ball Burst (Constant Rate of Extension)

Mean Force 422 lbf



### AS 4174:2018

#### Shade Protection Fabric Performance

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Gun Metal	93	91.4	8.6	6.8	93.2	92	Very Effective
Natural	93	76.2	23.8	6.9	93.1	92	Very Effective
Navy Blue	94	93.6	6.4	5.6	94.4	93	Very Effective
Orange	93	80.6	19.4	6.0	94.0	93	Very Effective
Rivergum Green	93	88.7	11.3	7.1	92.9	92	Very Effective
Royal Purple	91	87.7	12.3	8.9	91.1	91	Very Effective
Sky Blue	92	89.0	11.0	7.8	92.2	91	Very Effective
Steel Grey	94	90.9	9.1	5.7	94.3	93	Very Effective
Turquoise	92	86.0	14.0	8.5	91.5	91	Very Effective
White	93	73.9	26.1	7.1	92.9	92	Very Effective
Yellow	95	77.6	22.4	4.5	95.5	94	Very Effective



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