



- 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.
- Certified to California State Fire Marshall CSFM 1237.1 and complies with NFPA701 across all colour variants.
- Full 10-year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Engineered in Australia to meet the harsh climate

### FABRIC PROPERTIES

(AS 2001.2.13) mass per unit  
Nominal fabric mass 340 gsm  $\pm$  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 NintyFive 340 FR Knitted HDPE monofilament & tape shade fabric offering a UVE Protection from 90 to 96%.

### FLAMMABILITY

Part 2 & 3 certificates available on request

**(AS 1530.2) Part 2 - Flammability of Materials**  
Flammability Index (Range 0-100) 1

**(AS 1530.3) Part 3 - Flammability of Materials**  
Ignitability Index (Range 0-20) 13  
Spread of Flame Index (Range 0-10) 8  
Heat Evolved Index (Range 0-10) 3  
Smoke Developed Index (Range 0-10) 6

Commercial NintyFive 340 FR is a high quality flame retardant knitted shade fabric designed for tension structures, awnings and shade covers specifically for commercial architectural applications; supplied in bulk rolls.

### PERFORMANCE

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

Maximum Force – Warp (Mean) 580 N/50mm  
Elongation at Maximum Force – Warp (Mean) 98 %  
Maximum Force – Weft (Mean) 2000 N/50mm  
Elongation at Maximum Force (Mean) 71.5 %

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

Breaking Force – Warp (Mean) 930 N  
Breaking Force – Weft (Mean) 2000 N

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

Wing Tear – Warp (mean) 194 N  
Wing Tear – Weft (mean) 282 N

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

Bursting Pressure (mean) 3600 kPa

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

Bursting Force (mean) 1944 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	88.1	11.9	8.5	91.5	91	Very Effective
Black	95	94.8	5.2	5.0	95.0	94	Very Effective
Bright Green	90	87.3	12.7	9.0	91.0	90	Effective
Brown	96	94.3	5.7	4.0	96.0	96	Most Effective
Brunswick Green	93	92.9	7.1	6.4	93.6	92	Very Effective
Cayenne	93	87.3	12.7	6.7	93.3	92	Very Effective
Cedar	93	88.4	11.6	6.4	93.6	93	Very Effective
Charcoal	93	93.6	6.4	6.1	93.9	92	Very Effective
Cherry Red	90	80.0	20.0	10.0	90.0	90	Effective
Deep Ochre	91	90.5	9.5	8.3	91.7	90	Effective
Desert Sand	93	86.1	13.9	6.6	93.4	92	Very Effective
Gun Metal	96	94.5	5.5	3.5	96.5	96	Most Effective
Natural	94	78.3	21.7	6.5	93.5	92	Very Effective
Navy Blue	94	93.1	6.9	6.2	93.8	93	Very Effective
Orange	92	80.8	19.2	7.6	92.4	91	Very Effective
Rivergum Green	94	89.7	10.3	6.0	94.0	93	Very Effective
Royal Purple	91	87.9	12.1	8.6	91.4	90	Effective
Sky Blue	94	91.3	8.7	6.0	94.0	93	Very Effective
Steel Grey	92	89.7	10.3	7.6	92.4	91	Very Effective
Turquoise	94	89.5	10.5	6.6	93.4	93	Very Effective
White	95	76.5	23.5	5.4	94.6	94	Very Effective
Yellow	93	77.5	22.5	6.8	93.2	92	Very Effective



AU  
UAE  
USA

P 1800 331 521  
P +971 4 881 7114  
P 1800 560 4667

F +61 3 9518 3398  
F +971 4 881 7167  
F +1 407 772 0553

www.galecommercial.com





Commercial NinetyFive 340 FR, the flame retardant version of the most trusted HDPE shade fabric in the industry, is a mid-weight, flame retardant fabric that delivers the utmost in versatility. Available in 22 vibrant and on-trend colors, Commercial NinetyFive 340 FR can fulfill almost any HDPE design requirement.

- A mid-weight, 340 gsm fabric suitable for applications spanning a wide array of sizes and designs,
- 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.
- Each color individually tested and meets the most stringent FR certification criteria
- 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

## FLAMMABILITY

CSFM Title 19 1237.1

NFPA 701 Test Methods 1 & 2

ASTM E84 19B

Each color individually tested and passes all certification criteria for above. Test results available upon request.  
NFP92-503 Class M1 in process

## 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

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 NinetyFive 340 FR Knitted HDPE monofilament & tape shade fabric offering a UVE Protection from 90 to 96%.

## PERFORMANCE

### ASTM D5034

#### Tensile Strength and Elongation

Maximum Force – Warp (Mean)	158.6 lbf
Elongation at Maximum Force (Mean)	89%
Maximum Force – Weft (Mean)	412.3 lbf
Elongation at Maximum Force – Warp (Mean)	49%

### ASTM D2261

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

Mean Force – Warp	39.6 lbf
Mean Force – Weft	43.0 lbf

### ASTM D6797

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

Mean Force	408 lbf
------------	---------

### 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	88.1	11.9	8.5	91.5	91	Very Effective
Black	95	94.8	5.2	5.0	95.0	94	Very Effective
Bright Green	90	87.3	12.7	9.0	91.0	90	Effective
Brown	96	94.3	5.7	4.0	96.0	96	Most Effective
Brunswick Green	93	92.9	7.1	6.4	93.6	92	Very Effective
Cayenne	93	87.3	12.7	6.7	93.3	92	Very Effective
Cedar	93	88.4	11.6	6.4	93.6	93	Very Effective
Charcoal	93	93.6	6.4	6.1	93.9	92	Very Effective
Cherry Red	90	80.0	20.0	10.0	90.0	90	Effective
Deep Ochre	91	90.5	9.5	8.3	91.7	90	Effective
Desert Sand	93	86.1	13.9	6.6	93.4	92	Very Effective
Gun Metal	96	94.5	5.5	3.5	96.5	96	Most Effective
Natural	94	78.3	21.7	6.5	93.5	92	Very Effective
Navy Blue	94	93.1	6.9	6.2	93.8	93	Very Effective
Orange	92	80.8	19.2	7.6	92.4	91	Very Effective
Rivergum Green	94	89.7	10.3	6.0	94.0	93	Very Effective
Royal Purple	91	87.9	12.1	8.6	91.4	90	Effective
Sky Blue	94	91.3	8.7	6.0	94.0	93	Very Effective
Steel Grey	92	89.7	10.3	7.6	92.4	91	Very Effective
Turquoise	94	89.5	10.5	6.6	93.4	93	Very Effective
White	95	76.5	23.5	5.4	94.6	94	Very Effective
Yellow	93	77.5	22.5	6.8	93.2	92	Very Effective



USA  
AU  
NZ  
UAE

P 1800 560 4667  
P 1800 331 521  
P 0800 555 171  
P +971 4 881 7114

F +1 407 772 0553  
F +61 3 9518 3398  
F 0800 555 172  
F +971 4 881 7167

[www.galecommercial.com](http://www.galecommercial.com)

