

AS Standards

| | Commercial 95 340 | Commercial 95 340 FR |
|--------------------------|-------------------|----------------------|
| Maximum force | warp 670 N/50mm | 580 N/50mm |
| Elongation at max. force | warp 117% | 98% |
| Maximum force | weft 2400 N/50mm | 2000 N/50mm |
| Elongation at max. force | weft 83% | 71.5% |
| Breaking force | warp 990 N | 930 N |
| Breaking force | weft 2000 N | 2000 N |
| Tear strength | warp 184 N | 194 N |
| Tear strength | weft 347 N | 282 N |
| Bursting pressure | 3500 kPa | 3600 kPa |
| Bursting force | 1937 N | 1944 N |

Performance

Maximum force
Elongation at max. force
Maximum force
Elongation at max. force
Breaking force
Breaking force
Tear strength
Tear strength
Bursting pressure
Bursting force

ASTM Standards

| | Commercial 95 340 | Commercial 95 340 FR |
|------|-------------------|----------------------|
| warp | 189.1 lbf | 158.6 lbf |
| warp | 103.67% | 88.7% |
| weft | 462.3 lbf | 412.3 lbf |
| weft | 63% | 49% |
| warp | 52.2 lbf | 43 lbf |
| weft | 52.2 lbf | 39.6 lbf |
| | 422 lbf | 408 lbf |

Fabric Properties

Nominal Fabric Mass

| |
|--------------|
| 340 gsm ± 20 |
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| |
|--------------|
| 340 gsm ± 20 |
|--------------|

| |
|--------------|
| 340 gsm ± 20 |
|--------------|

| |
|--------------|
| 340 gsm ± 20 |
|--------------|

Roll Specification

Width
Length

| |
|-------------|
| 3m (folded) |
| 40m |

| |
|-------------|
| 3m (folded) |
| 40m |

| |
|-----------------------|
| 9 ft. 10 in. (folded) |
| 131 ft. 3 in. |

| |
|-----------------------|
| 9 ft. 10 in. (folded) |
| 131 ft. 3 in. |

Flammability Info

| |
|---------------------------|
| Flammability Index - 12 |
| Ingnitability Index - 10 |
| Spread of Flame Index - 7 |
| Heat Evolved Index - 5 |
| Smoke Developed Index - 4 |

| |
|---------------------------|
| Flammability Index - 1 |
| Ingnitability Index - 13 |
| Spread of Flame Index - 8 |
| Heat Evolved Index - 3 |
| Smoke Developed Index - 6 |

| |
|----------------------|
| ASTM E84 19B Class A |
|----------------------|

| |
|---------------------------|
| CSFM Title 19 1237.1 |
| NFPA 701 Test Methods 1&2 |
| ASTM E84 19B Class A |



*The results listed in this brochure 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, refer to the GALE Pacific Commercial Fabrics website for latest technical performance information.

¹ Please note, Check with your local waste handler to confirm recyclability
² Please note, Oeko-Tex & Greenguard applicable to non FR products only
* Please note, due to limitations of the printing process, colors pictured may not represent the true color



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Commercial
NinetyFive
340

Commercial
NinetyFive
340FR

The most trusted
HDPE shade
fabric in the
industry.



Architectural
SHADE FABRIC

Tension Structures
Awnings
Shade Sails
Car Park Structures

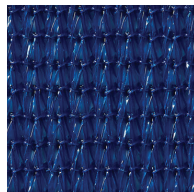
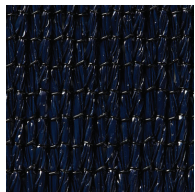
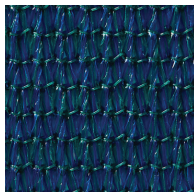
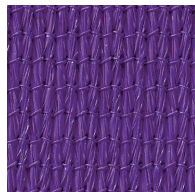

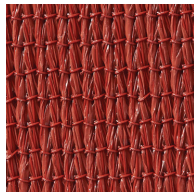
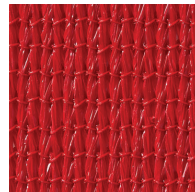

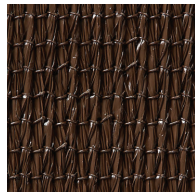
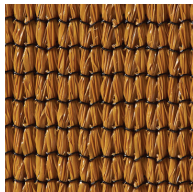
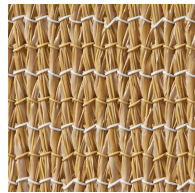
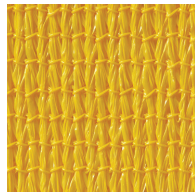
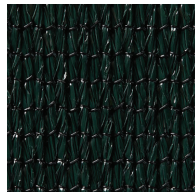
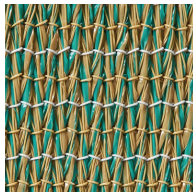
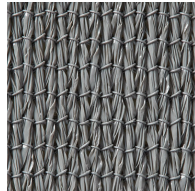
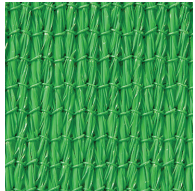
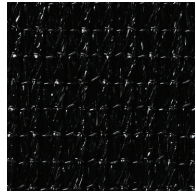



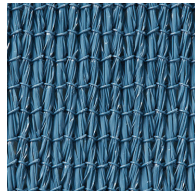

Commercial
NinetyFive
340

Commercial Ninety-Five 340 delivers the utmost in versatility across a wide range of applications.

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.

A mid-weight fabric (340 gsm) suitable for applications spanning a wide array of sizes and designs, making Commercial Ninety-Five 340 one of the most versatile HDPE shade fabrics in the industry.

| | | | | |
|--|---|---|---|---|
|  Aquatic Blue 444938 495671 |  Navy Blue 445010 495602 |  Turquoise 445065 495664 |  Royal Purple 459185 495725 |  Deep Ochre 444990 495688 |
|  Cayenne 455255 495701 |  Cherry Red 444976 495695 |  Orange 459215 495633 |  Brown 481254 495657 |  Cedar 465360 495534 |
| |  Desert Sand 444983 495565 |  Yellow 445072 495619 |  Brunswick Green 444952 495572 |  Rivergum 445027 495589 |
| |  Steel Grey 445041 495718 |  Bright Green 459208 495596 |  Black 444945 495640 |  Charcoal 444969 495558 |
|  Gun Metal 455262 495527 |  Natural 445003 495541 |  Sky Blue 445034 495626 |  White 497736 495732 | |

Commercial
NinetyFive
340**FR**

Durability and **FR** compliance are now combined to create premium fabrics providing maximum performance.

Only GALE Pacific offers the **WIDEST RANGE of FLAME RETARDANT** knitted fabrics globally.

Our FR fabrics meet the most stringent Fire Standards for shade fabrics including CSFM 1237.1 & NFPA 701 across all color variants. Offering premium biaxial stability and tensile properties, for minimal maintenance and improved fabric life.

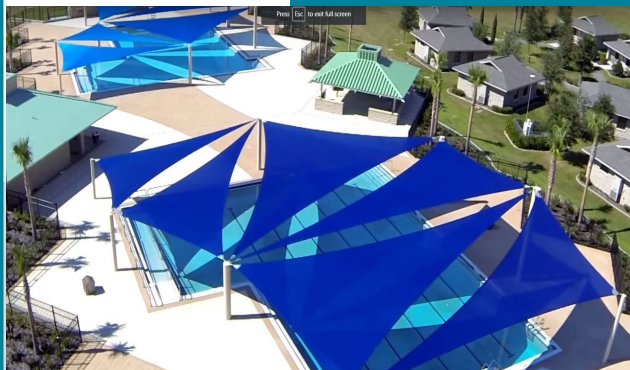


Backed by a full 10-year warranty against UV degradation

Designed to withstand the world's harshest environments

Industry-leading stentering process provides premium lay flat characteristics

A mid-weight fabric suitable for a wide array of applications and designs



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.

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) | 462.3 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



- 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 / yd²

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 95 Knitted HDPE monofilament & tape shade fabric offering a UVE Protection Category of "Very Effective".

FLAMMABILITY

ASTM E84 19B Class A

| 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 |
| Yellow | 95 | 77.6 | 22.4 | 4.5 | 95.5 | 94 | Very Effective |



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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 \pm 20; ;10 oz/yd²
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 | 43.0 lbf |
| Mean Force – Weft | 39.6 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 |



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