



Commercial Heavy 430 is GALE Pacific's premiere 100% round monofilament HDPE shade fabric.

Our patented, intertwining knit pattern gives Heavy 430 fabric superior dimensional stability for easy fabrication and minimal maintenance.

- A heavy-weight fabric engineered to withstand the demands of small to large span structures delivers a visually appealing look regardless of size.
- 100% round monofilament provides improved abrasion resistance and water-shedding properties while allowing the fabric to stay cleaner longer
- Patented intertwining knit pattern results in superior biaxial performance for reduced maintenance associated with re-tensioning
- Backed by a full 15-year warranty against UV degradation and designed to withstand extreme weather conditions across the globe
- Available in 16 vibrant colors to meet design requirements
- 100% Lead and Phthalate free

## FABRIC PROPERTIES

### AS 2001.2.13

#### Mass per unit

Nominal fabric mass 430 gsm ± 20; 12.7 oz/yd<sup>2</sup>  
Approximate thickness 0.06 in. / 1.6mm

## ROLL SPECIFICATIONS

Nominal width: 9 ft. 10 in. / 3.0m (unfolded)  
Length: 131 ft 3 in. / 40m  
Approx. roll weight: 119 lbs / 54 kg  
Approx. roll diameter: 1 ft / 0.30 m  
Core diameter: 3 in. / 76 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 Commercial Heavy 430 knitted with HDPE monofilament offering a UVE Protection Category of "Effective".

## FLAMMABILITY

ASTM E84 19B Class A

## PERFORMANCE

### ASTM D5034

#### Tensile Strength and Elongation

Maximum Force – Warp (Mean)	370 lbf
Elongation at Maximum Force – Warp (Mean)	88 %
Maximum Force – Weft (Mean)	412 lbf
Elongation at Maximum Force (Mean)	128 %

### ASTM D2261

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

Mean Force – Warp	63.6 lbf
Mean Force – Weft	54.0 lbf

### ASTM D6797

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

Mean Force	416 lbf
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### AS 4174:2018

#### Shade Protection Fabric Performance

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Aquatic Blue	87	85.5	14.5	12.7	87.3	87	Effective
Black	86	86.4	13.6	13.6	86.4	86	Effective
Bright Green	86	85.2	14.8	13.2	86.8	86	Effective
Brunswick Green	86	86.7	13.3	13.2	86.8	86	Effective
Charcoal	87	87.5	12.5	12.4	87.6	87	Effective
Deep Ochre	87	87.0	13.0	12.7	87.3	86	Effective
Desert Sand	85	79.0	21.0	14.1	85.9	85	Effective
Emerald	86	84.7	15.3	13.3	86.7	86	Effective
Natural	88	73.9	26.1	12.1	87.9	87	Effective
Navy Blue	87	86.8	13.2	12.5	87.5	87	Effective
Orange	86	75.9	24.1	13.2	86.8	86	Effective
Red	87	76.0	24.0	12.6	87.4	87	Effective
Royal Purple	86	85.0	15.0	13.5	86.5	86	Effective
Steel Grey	86	85.5	14.5	13.5	86.5	86	Effective
White	86	69.0	31.0	13.4	86.6	86	Effective
Yellow	86	70.3	29.7	13.9	86.1	85	Effective

All test data available upon request



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