



Commercial Heavy 430 is a high quality knitted shade fabric designed for tension structures, awnings and shade sails specifically for commercial architectural applications; supplied in bulk rolls.

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- 15-year UV degradation warranty on fabric.
- 100% Lead and Phthalate free
- Greenguard® and Oeko-Tex® certified
- Engineered in Australia to meet the harsh climate

FABRIC PROPERTIES

AS 2001.2.13 Mass per unit

Nominal fabric mass 12.7 oz./yd²; 430 gsm ± 20;
Approximate thickness 0.06in. / 1.6 mm

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



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The above results are typical averages from 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 specifications are subject to alteration without notice. As the use and disposal of this product are beyond GALE Pacific's control, regardless of any assistance provided without charge, GALE Pacific assumes no obligation or liability for the suitability of its products in any specific end use application. It is the customer's responsibility to determine whether GALE Pacific's products are appropriate for the specific application and complies with any legal & patent regulations.