



Commercial DualShade 350FR is a high-quality knitted shade fabric designed for tension structures, awnings and shade sails specifically for commercial architectural applications where FR properties are required; supplied in bulk rolls.

**PERFORMANCE**

**ASTM D5034**

**Tensile Strength and Elongation**

Maximum Force – Warp (Mean)	196 lbf
Elongation at Maximum Force – Warp (Mean)	79 %
Maximum Force – Weft (Mean)	286 lbf
Elongation at Maximum Force (Mean)	71 %

**ASTM D2261**

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

Mean Force – Warp	61.4 lbf
Mean Force – Weft	47.3 lbf

**ASTM D6797**

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

Mean Force	383 lbf
------------	---------

**AS 4174:2018 Shade Protection Fabric Performance**

Colour	Cover Factor	Shade Factor	UV-Vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Amazonia	93	91.8	8.2	6.8	93.2	92	Very Effective
Capri	92	84.1	15.9	8.0	92.0	91	Very Effective
Chameleon	91	87.1	12.9	8.9	91.1	91	Very Effective
Citrus	93	88.1	11.9	6.8	93.2	92	Very Effective
Cobblestone	93	90.3	9.7	7.0	93.0	92	Very Effective
Gold Rush	91	88.0	12.0	8.5	91.5	91	Very Effective
Macaw	92	84.7	15.3	8.4	91.6	91	Very Effective
Maldives	92	89.7	10.3	7.3	92.7	92	Very Effective
Santorini	93	83.4	16.6	7.7	92.3	92	Very Effective
Savanna	92	81.1	18.9	7.4	92.6	92	Very Effective
Sunburst	90	76.4	23.6	9.9	90.1	90	Effective
Topaz	93	87.5	12.5	7.8	92.2	92	Very Effective

- Strong HDPE 100% recyclable fabric won't rot or absorb moisture.
- Stentered (heat-set) to reduce shrinkage and for ease of fabrication.
- Certified to California State Fire Marshall CSFM 1237.1 and complies with NFPA701 across all colour variants.
- 12 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	10.3 oz./y <sup>2</sup> ; 350 gsm ± 20
Approximate thickness	0.07 in. / 1.8 mm

**ROLL SPECIFICATIONS**

Nominal width:	9 ft. 10 in. / 3.0m (folded)
Length:	131 ft. 3 in. / 40m
Approx. roll weight:	99.2 lbs. / 45 kg
Approx. roll diameter:	1.3 ft. / 0.40 m
Core diameter:	1.97 in. / 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 and shall be GALE Pacific Commercial DualShade 350FR knitted HDPE monofilament & tape shade fabric offering a UV block over 90%.

**FLAMMABILITY**

- CSFM Title 19 1237.1
- NFPA 701 Test Methods 1 & 2
- ASTM E84 19B Class A
- NFP92-503 Class M1 in process

Each color individually tested and passes all certification criteria for above. Test results available upon request.



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.