

Commercial 95[®] FR



Product Profile

Architectural Shade Fabric

Rev.3 05/13

Product Description

SaFRshade™ is a high quality knitted shade fabric designed for tension structures, awnings and shade covers specifically for commercial architectural applications; supplied in bulk rolls.

Material

Yarn UV and FR stabilised HDPE
 Construction Monofilament & tape
 Pattern Lock-stitch knitted
 Temperature range -30°C to +75°C

Features

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

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.

Properties

Nominal fabric mass 295 gsm ± 20
 (AS 2001.2.13)
 Approximate thickness 1.4 mm

Performance

Tensile Strength - Warp 920 N/50mm
 Elongation at break
 Tensile Strength - Weft 1640 N/50mm
 Elongation at break
 (AS 2001.2.3.1)
 Wing Tear – Warp (mean) 176 N
 Wing Tear – Weft (mean) 236 N
 (AS 2001.2.10)
 Bursting Pressure (mean) 3150 kPa
 (AS 2001.2.4)
 Bursting Force (mean) 1597 N
 (AS 2001.2.19)

Flammability

Flammability Index AS1530.2 3
 CSFM 1237.1 Title 19 Certified
 ASTM E-84 Class A
 NFPA 701 Conforms
 JIS L1091 :1999 Method A-1 Pass
 JIS L1091 : 1999 Method A-3 Pass
 BS7837 : 1996 Complies
 DIN4102, Teil 1 B1 rated
 (NF P 92-512 : 1986) M1 rated

Suggested Specification

Shadecloth fabric shall be compliant to Australian standard AS 4174 and shall be Synthesis SaFRshade knitted HDPE monofilament & tape shade fabric offering a UV block up to 95.2%.

Colour	Code	Nom Width	Length	Cover Factor	Shade Factor	Av % Trans	Av. UVR Trans	Av. PAR Trans	% UVR Block	UPF Rating	UPF Mean
Cobalt Blue	456719	3.0 m (folded)	32 m	91.0%	89.2	10.8%	9.2%	11.5%	90.8%		
Emerald Green	456757			95.3%	94.2	5.8%	5.5%	5.7%	94.5%		
Terracotta	456771			96.0%	90.2	9.8%	4.8%	10.2%	95.2%		
Beige	456795			94.5%	90.2	9.8%	4.8%	10.2%	95.2%		
Slate Grey	456924			92.0%	87.9	12.1%	10.4%	12.4%	89.6%		
Ivory	456818			91.6%	58.9	41.1%	11.5%	49.4%	88.5%		
Nutmeg	456863			94.0%	92.6	7.4%	5.7%	7.5%	94.3%		
Olive	456887			92.4%	92.4	7.6%	6.9%	7.7%	93.1%		

Approx. roll weight: 30 kg
 Approx. roll diameter: 0.32 m
 Core diameter: 35 mm

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.

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