

COMMERCIAL FR 300™

Product Profile

Shadecloth Range

Rev.3 05/13

Product Description

Commercial FR 300™ is a high quality knitted shade fabric supplied in bulk rolls, designed for tension structures, awnings and shade covers specifically for commercial architectural applications.

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.
- 10 year UV degradation warranty on fabric.
- Engineered in Australia to meet the harsh climate.
- California Fire Marshall Approved
- 100% Lead and Phthalate Free
- Blocks up to 95% of Harmful UV Rays

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.

Suggested Specification

Shadecloth fabric shall be tested and compliant to Australian standard AS 4174. Commercial FR 300 knitted HDPE monofilament & tape shade fabric offers a UV block up to 95%.

Properties

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

Performance

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

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

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	91.00%	89.2	10.8%	9.2%	11.5%	90.8%		
Emerald Green	456757			95.3%	94.2	5.8%	5.7%	94.5%			
Terracotta	456771			96.0%	90.2	9.8%	4.85%	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	14.1%	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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