



# ***Premium Hortshade®***

**Commercial Knitted**

LIGHT-WEIGHT SHADE STRUCTURES

HORTICULTURAL SHADING

PRIVACY SCREENING





# Premium Hortshade®

## Commercial Knitted

GALE Pacific's Premium Hortshade® Range is an extremely high-quality, knitted shadecloth that provides optimum performance in any climate and has been designed for use in horticultural, agricultural and commercial applications to protect people, assets and crops.

Premium Hortshade® is a product developed from years of field experience. Designed in Australia and manufactured in GALE Pacific's Ningbo plant it is an extremely versatile fabric providing sun block factors from 29% to 77%. Made from UV-stabilised HDPE, it is designed to resist sun damage, water absorption, rotting and will not tear or fray if cut. This recyclable fabric provides weather and pest protection, can enhance yields, improve crop aesthetics and provide a more efficient environment for plant growth.

It is also used as shade protection for livestock, vehicles and equipment in harsh weather extremes and scaffold cover in construction works.

It is available in several grades – extra light, light, medium and heavy to meet every requirement, and in a range of widths and colours.

Features	Benefits
Strong HDPE fabric	Won't rot or absorb moisture
Designed to meet harsh weather conditions	Long life, low cost
AS4174-1994 Synthetic Shadecloth	Meets Australian Industry Standards
100% Lead and Phthalate Free	Safer, healthier environment
Greenguard® and Oeko-Tex® certified	Sustainable, healthier environment and confidence in operational quality assurance
100% Recyclable	Addresses environmental concerns
Warranty	10 Years

### Applications

- Light to medium duty shade structures
- Shade sails
- Privacy screening
- Scaffold mesh

### Material

Yarn	UV stabilised HDPE
Construction	Monofilament
Pattern	Lock-stitch knitted
Temperature range	-30°C to +75°C
Roll length	50m length

### Properties

Synthetic Shadecloth	Conforms
Lead not detected	100% Free
Pthalate not detected	100% Free

### Usage Instructions

- Fabric is not flameproof
- Contact with chemicals and/or pesticides that contain sulphur, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty



Specifications	Extra Light 92	Light 160	Medium 220	Heavy 276
Roll widths (m)	1.83, 3.66	1.83, 2.00, 3.66, 4.00	1.83, 2.00, 3.66, 4.00	1.83, 2.00, 3.66, 4.00
Nominal fabric mass (gsm) (AS2001.2.13)	92 +/-5	160 +/-20	220 +/-20	276 +/-20
Approximate thickness (mm)	0.43	0.84	1.18	1.35
Tensile strength – warp (N/50mm) (AS2001.2.3)	349	661	591	545
Elongation at break (%)	59.7	55.6	60.8	89.5
Tensile strength – weft (N/50mm) (AS2001.2.3)	404	836	1485	2032
Elongation at break (%)	82.1	66.0	54.7	56.1
Wing tear – warp (mean) (N) (AS2001.2.10)	86	123	113	109
Wing tear – weft (mean) (N) (AS2001.2.10)	65	127	196	225
Bursting pressure (mean) (N) (AS2001.2.4)	800	2000	2450	2400
Bursting force (mean) (N) (AS2001.2.19)	452	1090	1170	1205
Flammability index range (AS1530.2)	1	10	22	33

Suggested Specification

- Shadecloth fabric shall be Premium Hortshade Extra Light knitted HDPE monofilament shade fabric
- Shadecloth fabric shall be Premium Hortshade Light knitted HDPE monofilament shade fabric
- Shadecloth fabric shall be compliant to AS 4174 and shall be Premium Hortshade Medium knitted HDPE monofilament shade fabric
- Shadecloth fabric shall be compliant to AS 4174 and shall be Premium Hortshade Heavy knitted HDPE monofilament shade fabric

Colours Available



Black



Forest Green



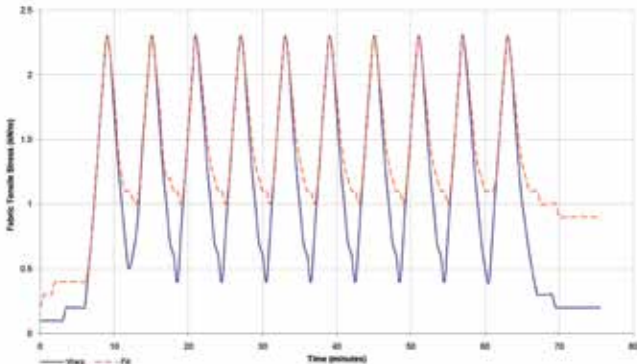
White



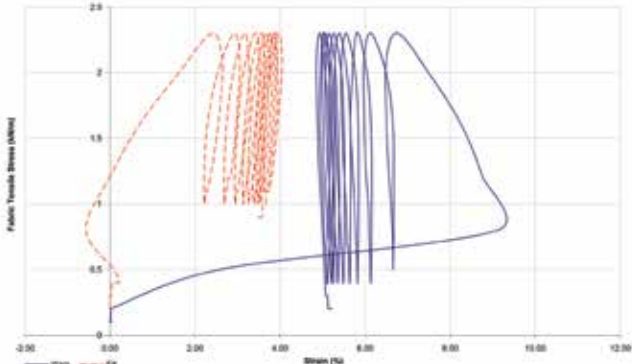
Beige

Please note, due to the limitations of the printing process, colours may not represent the true colour

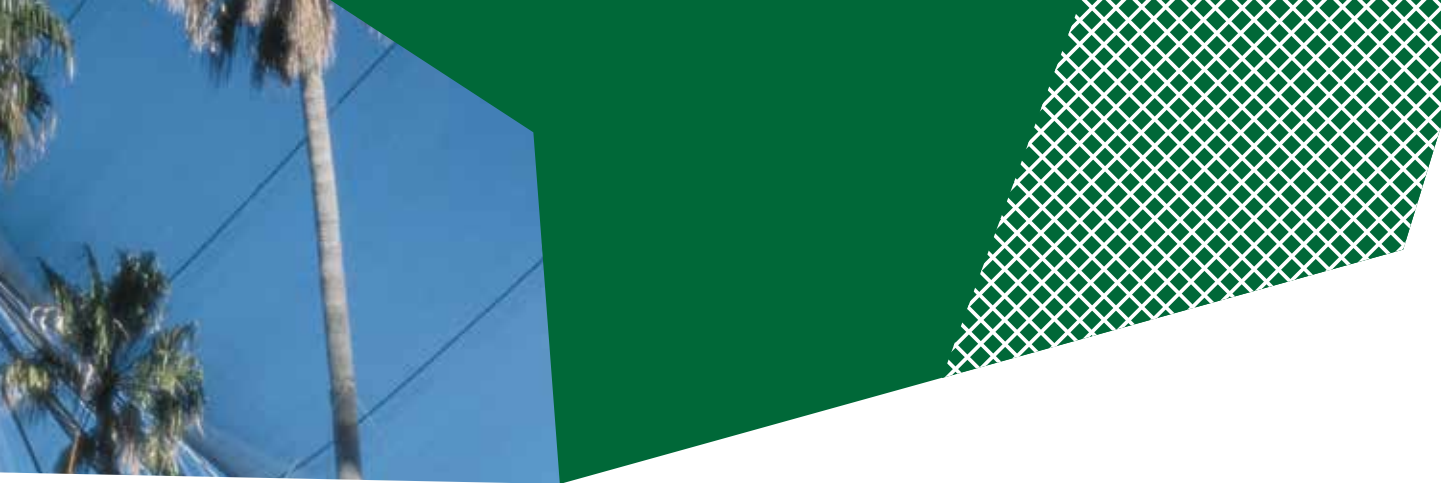
Load Diagram (Heavy)



Biaxial Elongation (Heavy)



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.

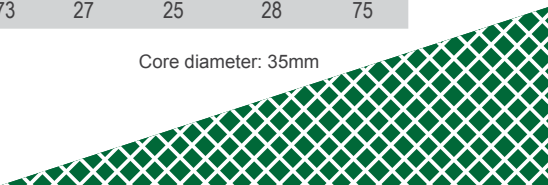


Description	Colour	Code	W x L (M)	Roll Weight (kg)	Core Diam (mm)	Cover Factor	Shade Factor	Av % Trans	Av% UVR Trans	Av PAR Trans	%UVR Block
Extra Light	Black	483852^	1.83X50M	9.0	0.21	31	31	69	68	69	32
Extra Light	Forest Green	428907^	1.83X50M	9.0	0.21	31	29	71	70	72	30
Extra Light	Black	483869^	3.66*X50M	18.0	0.28	31	31	69	68	69	32
Extra Light	Forest Green	428914^	3.66*X50M	18.0	0.28	31	29	71	70	72	30
Light	Black	428921	1.83X50M	16.0	0.25	54	56	44	47	44	53
Light	Forest Green	428938	1.83X50M	16.0	0.25	54	50	50	48	51	52
Light	White	428945	1.83X50M	16.0	0.25	54	29	71	46	78	54
Light	Black	466831^	2.00X50M	17.0	0.30	54	56	44	47	44	53
Light	Forest Green	466862^	2.00X50M	17.0	0.30	54	50	50	48	51	52
Light	White	466879^	2.00X50M	17.0	0.30	54	29	71	46	78	54
Light	Black	428952	3.66*X50M	32.0	0.35	54	56	44	47	44	53
Light	Forest Green	428969	3.66*X50M	32.0	0.35	54	50	50	48	51	52
Light	White	428976	3.66*X50M	32.0	0.35	54	29	71	46	78	54
Light	Black	466848	4.00X50M	34.0	0.38	54	56	44	47	44	53
Light	Forest Green	466855	4.00X50M	34.0	0.38	54	50	50	48	51	52
Light	White	466886^	4.00X50M	34.0	0.38	54	29	71	46	78	54
Medium	Beige	428990	1.83X50M	22.0	0.28	67	52	48	35	51	65
Medium	Black	428983	1.83X50M	22.0	0.28	68	67	33	33	33	67
Medium	Forest Green	429003	1.83X50M	22.0	0.28	68	65	35	33	35	67
Medium	White	429010	1.83X50M	22.0	0.28	66	38	62	35	70	65
Medium	Beige	466893^	2.00X50M	24.0	0.31	67	52	48	35	51	65
Medium	Black	466916^	2.00X50M	24.0	0.31	68	67	33	33	33	67
Medium	Forest Green	466930^	2.00X50M	24.0	0.31	68	65	35	33	35	67
Medium	White	466954^	2.00X50M	24.0	0.31	66	38	62	35	70	65
Medium	Beige	429034	3.66*X50M	43.5	0.40	67	52	48	35	51	65
Medium	Black	429027	3.66*X50M	43.5	0.40	68	67	33	33	33	67
Medium	Forest Green	429041	3.66*X50M	43.5	0.40	68	65	35	33	35	67
Medium	White	429058	3.66*X50M	43.5	0.40	66	38	62	35	70	65
Medium	Beige	466909^	4.00*X50M	47.5	0.44	67	52	48	35	51	65
Medium	Black	466923	4.00*X50M	47.5	0.44	68	67	33	33	33	67
Medium	Forest Green	466947	4.00*X50M	47.5	0.44	68	65	35	33	35	67
Medium	White	466961^	4.00*X50M	47.5	0.44	66	38	62	35	70	65
Heavy	Black	429065	1.83X50M	27.0	0.30	77	77	23	23	23	77
Heavy	Forest Green	429072	1.83X50M	27.0	0.30	76	73	27	25	28	75
Heavy	Black	466794^	2.00X50M	29.0	0.33	77	77	23	23	23	77
Heavy	Forest Green	466817^	2.00X50M	29.0	0.33	76	73	27	25	28	75
Heavy	Black	429089	3.66*X50M	55.0	0.42	77	77	23	23	23	77
Heavy	Forest Green	429096	3.66*X50M	55.0	0.42	76	73	27	25	28	75
Heavy	Black	466800	4.00X50M	58.0	0.65	77	77	23	23	23	77
Heavy	Forest Green	466824	4.00X50M	58.0	0.65	76	73	27	25	28	75

\* *Folded*

^ *Made-To-Order (MTO) product only.*

Core diameter: 35mm



GALE Pacific Commercial Knitted fabrics are manufactured from High Density Polyethylene mono filament and or slit film tape which are incredibly strong yarns, resistant to extreme temperature variations and repeated wind stresses.

They are stabilised using only the most advanced UV inhibitors for high quality UV resistance and longevity.

Our Commercial Knitted fabrics are best suited to provide protection against wind, hail and heat for horticultural and viticultural applications.

They are also used extensively through-out construction, building and mining to provide safe, high-visibility fabric barriers.







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