

**GALE**  
COMMERCIAL

Premium  
**Hortshade®**  
Heavy  
Product Profile



Premium Hortshade® Heavy is the highest-density solution in the range, engineered for environments requiring significant shade block and temperature control to create a stable, high-protection micro-climate. Designed to shield shade-loving plants from intense UV rays and extreme weather, it provides a durable, high-performance barrier ideal for permanent overhead structures, specialised nurseries, and high-intensity horticultural heat management.

### Features and Benefits

- **Engineered Micro-Climate:** Regulates solar radiation and wind helping manage ambient temperatures and maintain soil moisture for improved plant health.
- **Stability & UV Protection:** Stentered (heat-set) to prevent deformation and simplify fabrication with integrated UV-stabilisers providing a 78%–80% UV block.
- **Extreme Strength:** 100% virgin grade polymers in HDPE monofilament construction for superior tensile strength, rot-proof performance, and moisture resistance.
- **Tear-Resistant Lock-Stitch:** Sophisticated lock-stitch construction prevents fraying and ensures fabric stability even if cut or punctured.



10 Year  
Warranty



Lead &  
Phthalate Free



PFAS Free



Recyclable HDPE



ADVANCED  
TEXTILES  
ASSOCIATION

For more information, visit [galecommercial.com](http://galecommercial.com)

#### GLOBAL CUSTOMER SUPPORT

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## Technical Specifications

Fabric Properties		
	Metric - AS 2001.2.13 (mass per unit)	Imperial - ASTM D3776 (mass per unit)
Nominal Fabric Mass	276 gsm ± 20	8.1 oz / yd <sup>2</sup>
Approx. Thickness	1.35 mm	0.053 in
Yarn Thickness	>0.2mm	
Roll Specifications		
	Metric (mass per unit)	Imperial (mass per unit)
Nominal Width (folded)	2.0 m / 4.0 m	6.6 ft / 13.1 ft
Length	50 m	164 ft
Approx. Roll Weight	29 kg / 58 kg	64 lbs / 128 lbs
Approx. Roll Diameter	0.65 m	2.13 ft
Core Diameter	35 mm	1.38 in

Available in Multiple Weight Options:

Extra Light (92 GSM), Light (160 GSM), Medium (220 GSM), and Heavy (276 GSM)

## Performance Data

Flammability Test – Part 2 (AS 1530.2)							
Flammability Index (Range 0-100)	18						
Maximum Force And Elongation - Strip Method (AS 2001.2.3.1-2001)							
Maximum Force – Warp (Mean)	460 N/50mm						
Elongation at Maximum Force – Warp (Mean)	115 %						
Maximum Force – Weft (Mean)	1800 N/50mm						
Elongation at Maximum Force (Mean)	88 %						
Breaking Force - Grab Test (AS 2001.2.3.2-2001)							
Breaking Force – Warp (Mean)	480 N						
Breaking Force – Weft (Mean)	1600 N						
Tear Resistance – Wing Rip Method (AS 2001.2.10-1986)							
Wing Tear – Warp (Mean)	96.2 N						
Wing Tear – Weft (Mean)	249 N						
Bursting Pressure – Hydraulic Diaphragm Method (AS 2001.2.4)							
Bursting Pressure (Mean)	2260 kPa						
Bursting Force – Ball Burst Method (AS 2001.2.19-1988)							
Bursting Force (Mean)	996 N						
Shade Protection Fabric Performance (AS 4174:2018)							
Colour	Cover Factor	Shade Factor	UV-vis Trans %	UVR Trans %	UVR Block %	PAR Trans %	Designation
Forest Green	79	78.0	22.0	20.3	79.7	22.1	Heavy
Black	78	78.5	21.5	21.6	78.4	21.5	Heavy

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

## Care & Maintenance

Do not use near open flames. Avoid contact with organic solvents, halogens, or highly acidic substances (such as certain pesticides or fertilisers), as these can reduce the service life of the fabric and may void the warranty.