

**GALE**  
COMMERCIAL

# Premium Hortshade®

## Light

### Product Profile



Precision Climate Control  
for Optimal Plant Growth

Premium Hortshade® is engineered for the rigorous demands of professional nurseries and greenhouse operations, providing the high light transmission and consistent temperature regulation required to optimise growth environments. Designed to create a controlled micro-climate that protects delicate seedlings from wind damage and heat stress, it delivers the structural integrity and UV longevity essential for professional-grade climate control in both commercial production and retail nursery centres.

## Features and Benefits

- **Engineered Micro-Climate:** Regulates solar radiation allowing for optimal PAR (Photosynthetically Active Radiation) levels helping manage ambient temperatures for improved plant health.
- **Stability & UV Protection:** Stentered (heat-set) to prevent deformation and simplify fabrication with integrated UV-stabilisers providing a 49%–57% 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



STANDARD  
100

12 HUS 15104  
Hohenstein HTTI



GREENGUARD  
GREENGUARD  
GREENGUARD  
GREENGUARD  
GREENGUARD



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	160 gsm ± 20	4.7 oz / yd <sup>2</sup>
Approx. Thickness	0.84 mm	0.03 in
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	18 kg / 34 kg	40 lbs / 75 lbs
Approx. Roll Diameter	0.30 m	0.98 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)	5						
Maximum Force And Elongation - Strip Method (AS 2001.2.3.1-2001)							
Maximum Force - Warp (Mean)	480 N/50mm						
Elongation at Maximum Force - Warp (Mean)	62.5 %						
Maximum Force - Weft (Mean)	730 N/50mm						
Elongation at Maximum Force (Mean)	88 %						
Breaking Force - Grab Test (AS 2001.2.3.2-2001)							
Breaking Force - Warp (Mean)	440 N						
Breaking Force - Weft (Mean)	650 N						
Tear Resistance – Wing Rip Method (AS 2001.2.10-1986)							
Wing Tear - Warp (Mean)	115 N						
Wing Tear - Weft (Mean)	140 N						
Bursting Pressure – Hydraulic Diaphragm Method (AS 2001.2.4)							
Bursting Pressure (Mean)	2010 kPa						
Bursting Force – Ball Burst Method (AS 2001.2.19-1988)							
Bursting Force (Mean)	1029 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	49	48.1	21.9	50.8	49.2	52.0	Extra Light
Black	57	57.4	42.6	42.7	57.3	42.5	Light
White	50	38.8	61.2	50.0	50.0	64.0	Light

\*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.