

GALE
COMMERCIAL

Premium

Hortshade®
Medium

Product Profile

Precision Climate Control
for Optimal Plant Growth

Premium Hortshade® by GALE Commercial is engineered to meet the rigorous demands of professional nurseries and greenhouse operations, providing consistent temperature regulation to create a controlled micro-climate and optimised growth environment. Designed to protect plants from sun-scorch and wind damage while effectively maintaining soil moisture, it delivers a durable, high-performance solution for greenhouses, retail nursery centres, windbreaks, and general-purpose crop protection.

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 67%–69% 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
WarrantyLead &
Phthalate Free

PFAS Free



Recyclable HDPE

ADVANCED
TEXTILES
ASSOCIATIONFor more information, visit galecommercial.com

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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	220 gsm ± 20	6.5 oz / yd ²
Approx. Thickness	1.18 mm	0.046 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	23 kg / 46 kg	51 lbs / 101 lbs
Approx. Roll Diameter	0.40 m	1.31 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)	11
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)	88 %
Maximum Force – Weft (Mean)	1500 N/50mm
Elongation at Maximum Force (Mean)	76 %
Breaking Force - Grab Test (AS 2001.2.3.2-2001)	
Breaking Force – Warp (Mean)	440 N
Breaking Force – Weft (Mean)	1300 N
Tear Resistance – Wing Rip Method (AS 2001.2.10-1986)	
Wing Tear – Warp (Mean)	109 N
Wing Tear – Weft (Mean)	247 N
Bursting Pressure – Hydraulic Diaphragm Method (AS 2001.2.4)	
Bursting Pressure (Mean)	2350 kPa
Bursting Force – Ball Burst Method (AS 2001.2.19-1988)	
Bursting Force (Mean)	991 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	68	67.0	33.0	31.7	68.3	33.1	Medium
Black	67	67.7	32.3	32.3	67.7	32.3	Medium
White	68	53.2	46.8	31.5	68.5	50.6	Medium

*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.