

GALE
COMMERCIAL

Solarweave®

Product Profile



The Benchmark in Greenhouse Fabrics

Solarweave® is a polyethylene-based, semi-transparent coated polyfabric engineered for horticultural and greenhouse applications where light properties and durability are critical. Its scrim-reinforced construction and specialised coating system deliver an optimal balance of strength, light transmission and diffusion, UV block and long-term performance in demanding outdoor growing environments.

Features and Benefits

- **Maximised Light Transmission:** Engineered to deliver high levels of natural light to support plant growth, with a semi-transparent construction that balances light properties and protection from weather extremes.
- **Superior Strength-to-Weight Ratio:** Polyethylene scrim-reinforced construction provides excellent tear resistance, puncture resistance, and tensile strength while remaining lightweight for easier handling and installation.
- **Proven Long-Term Performance:** Recognised as a benchmark greenhouse fabric with decades of proven performance in demanding Australian conditions.
- **Anti-Drip Technology:** Selected variants incorporate anti-drip coatings that minimise condensation build-up, helping maintain optimal light conditions and reduce crop disease.



5 Year
Warranty



Lead &
Phthalate Free



PFAS Free



Polyethylene
Polyfabric



For more information, visit galecommercial.com

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Technical Specifications

Fabric Properties

	Metric - AS 2001.2.13 (mass per unit)
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Nominal Fabric Mass	185 gsm ± 20
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Approx. Thickness	0.20 mm
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Temperature Range	-30°C to 70°C
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Roll Specifications (supplied in bulk, 100m or 50 m rolls)

	Metric (mass per unit)
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Nominal Width (unfolded)	2.05 m
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Length	50 m
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Approx. Roll Weight	19 kg
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Approx. Roll Diameter	0.35 m
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Core Diameter	35 mm
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Flammability

Certification	Test	Value
AS 1530.2-Part 2 - Flammability Test	Flammability Index (Range 0-100)	37

Performance Data

Breaking Force and Elongation at Break – Method 1 (AS 4878.6-2001)

Breaking Force – Warp	913 N/50mm
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Elongation at Break – Warp	30 %
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Breaking Force – Weft	731 N/50mm
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Elongation at Break – Weft	31 %
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Tear Resistance – Single Tear – Method A2 (AS 4878.7-2001)

Wing Tear – Warp (Median)	222 N
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Wing Tear – Weft (Median)	196 N
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Bursting Strength – Hydraulic Diaphragm Method (AS 4878.5-2001)

Bursting Strength (Mean)	1800 kPa
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Resistance to Water Penetration (AS 2001.2.17-1987)

Hydrostatic Pressure Test (Mean)	88 kPa
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UV & Light Properties

Colour	Anti-Drip	Shade Factor %	Light Transmission %	Haze %	Clarity %	Light Diffusion %	UV Block %
Natural	No	17	83.7	42.2	66.4	35.7	21.1
D40	Yes	16	83.9	51.8	62.3	43.5	82.1
D60	Yes	17	83.0	69.3	48.6	57.5	86.4
White	No	68	39.9	>90.0	11.8	46.9	96.4

Patent Pending

Usage & Care

Suitable for hot air and hot wedge welding; not suitable for high-frequency welding. Do not use near open flames. Avoid contact with organic solvents, halogens, or highly acidic substances, as these will reduce service life and void the warranty.

Solarweave D40 and D60 are identified with printing on the side without anti-drip. During installation, the printed side should be on the outside of the greenhouse.

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.

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