

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
WarrantyLead &
Phthalate Free

PFAS Free

Polypropylene
FabricFor more information, visit galecommercial.com

GLOBAL CUSTOMER SUPPORT

commercialsupport@galecommercial.com

SALES - ANZ

AU: 1800 331 521

NZ: 0800 555 171

anz@galecommercial.com

SALES - ASIA

+61 1800 331 521

eurasia@galecommercial.com

SALES - EUROPE

+1 800 560 4667

eurasia@galecommercial.com

SALES - AMERICAS

Toll Free: +1 800 560 4667

americas@galecommercial.com

SALES - MIDDLE EAST / AFRICA

+971 4 881 7114

mena@galecommercial.com

Technical Specifications

Fabric Properties

	Metric - AS 2001.2.13 (mass per unit)
Nominal Fabric Mass	185 gsm ± 20
Approx. Thickness	0.20 mm
Temperature Range	-30°C to 70°C

Roll Specifications (supplied in bulk, 100m or 50 m rolls)

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

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
Elongation at Break – Warp	30 %
Breaking Force – Weft	731 N/50mm
Elongation at Break – Weft	31 %

Tear Resistance – Single Tear – Method A2 (AS 4878.7-2001)

Wing Tear – Warp (Median)	222 N
Wing Tear – Weft (Median)	196 N

Bursting Strength – Hydraulic Diaphragm Method (AS 4878.5-2001)

Bursting Strength (Mean)	1800 kPa
--------------------------	----------

Resistance to Water Penetration (AS 2001.2.17-1987)

Hydrostatic Pressure Test (Mean)	88 kPa
----------------------------------	--------

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.