

i build



claro™



# CLARO™ GROW AFG

## ANTI-FOG SULPHUR RESISTANT GREENHOUSE FABRIC

Claro™ Grow AFG is a technologically advanced lightweight woven polyethylene fabric designed for the greenhouse market. With anti-fog properties built-in to the fabric to prevent the buildup of condensation on the interior surface of greenhouse covers, the results are excellent light transmission and improved growing conditions to optimize crop yields.



## FEATURES & BENEFITS

- Cradle to Cradle Certified® Bronze
- Exceptional condensation control to prevent the buildup of fog on the fabric interior
- Excellent light transmission in the PAR region for photosynthesis (400 nm to 700 nm) to optimize yield of greenhouse crops
- Advanced UV protection for long service life
- Excellent tear resistance easily handles years of snow and wind loads
- A cost-effective alternative to polycarbonate panels and glass panels



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## PRODUCT ATTRIBUTES

CHARACTERISTICS	Claro™ Grow AFG RU210 Anti-Fog	Claro™ Grow AFG RU6-6 Anti-Fog	Claro™ Grow AFG RU8-6 Anti-Fog
Weave	Woven Clear HDPE Tapes	Woven Clear HDPE Tapes	Woven Clear HDPE Tapes
Coating	LDPE with 2.25 mil/side	LDPE with 1.75 mil/side	LDPE with 1.75 mil/side
Additives	Anti-Fog and UV stabilizers	Anti-Fog and UV stabilizers	Anti-Fog and UV stabilizers
Weight	5.3 oz/yd <sup>2</sup> (180 g/m <sup>2</sup> )	5.5 oz/yd <sup>2</sup> (186 g/m <sup>2</sup> )	6.0 oz/yd <sup>2</sup> (203g/m <sup>2</sup> )
Cores	4" or 5" I.D. available	4" or 5" I.D. available	4" or 5" I.D. available
Width	Up to 144" (-0, +0.5)	Up to 144" (-0, +0.5)	Up to 144" (-0, +0.5)
Length	500 to 1,000 yds/roll	500 to 1,000 yds/roll	500 to 1,000 yds/roll
Colors	Clear	Clear	Clear
Light Transmittance (visible)	85%	83%	82%
Diffusion	63%	77%	82%
Limited Warranty	5 years	5 years	5 years

All layers of Claro Grow AFG are translucent, allowing up to 85% light transmittance into the greenhouse structure.

## TECHNICAL DATA

CHARACTERISTICS	CHARACTERISTICS	RU210 Anti-Fog	RU6-6 Anti-Fog	RU8-6 Anti-Fog
Grab Tensile	D5034	Warp 150 lbs (666 N) Weft 130 lbs (577 N)	Warp 200 lbs (888 N) Weft 140 lbs (620 N)	Warp 220 lbs (977 N) Weft 175 lbs (777 N)
Tongue Tear	D2261	Warp 50 lb (222 N) Weft 50 lb (222 N)	Warp 50 lb (222 N) Weft 40 lb (177 N)	Warp 65 lb (288 N) Weft 65 lb (288 N)
Mullen Burst	D3786	250 psi (1722 kPa)	300 psi (2067 kPa)	370 psi (2549 kPa)
Accelerated UV Weathering†	G154	>80 % strength retention after 2,000 hrs exposure @ 0.77 W/m <sup>2</sup> /nm, or 1,200 hrs exposure @ 1.35 W/m <sup>2</sup> /nm		

These values are typical data and are not intended as limiting specifications.

† Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

## PRODUCT APPLICATIONS

- Greenhouse structures
- Portable garages

## MARKET

- Horticulture



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