



Available PlugSheet Counts

50

104

162

276



oasis®

PLUGSHEET

# AeroMax™

## Engineered for Maximum Air Porosity in Precision Hydroponics

OASIS® AeroMax™ PlugSheet engineered growing media was the first in a new generation of foam substrates designed for precision hydroponic farming in controlled growing environments. Engineered with a unique open matrix, OASIS® AeroMax™ PlugSheet's increased porosity optimizes airflow and drainage, allowing rapid refreshment of root zone nutrient solutions. This sheet substrate's ultra-low density enables easy root penetration for unrestricted seedling growth. OASIS® AeroMax™ PlugSheets are available in pre-dibbled 50ct, 104ct, 162ct and 276ct single- and multi-seed sheets, as well as un-dibbled plain sheets for broadcasting microgreens.



### Applications

Ideal for hydroponic propagation and production of all leafy greens and microgreens (except spinach) in mild to moderate growing climates/conditions with lower water demand. (OASIS® AeroSelect™ is recommended for better spinach germination rates.)

## Features & Benefits

- + Unique open matrix technology maximizes air-filled pore space, optimizing drainage and root zone oxygen while discouraging surface algae.
- + Inert substrate arrives clean and free of pests and pathogens, including plant and food-borne pathogens. Reduces disease pressure and maximizes flexibility and precision control over nutrient dosing.
- + Reliable and consistent, structurally stable media delivers uncompromised air-to-water ratio throughout propagation and production, sheet after sheet and batch after batch.
- + Ultra-low density promotes uniform germination with easy, rapid root penetration and unrestricted seedling growth.
- + Cellular matrix offers precision growers maximum root zone nutrient refreshment, replacing oxygen-deprived nutrient solution with each watering cycle.
- + Suitable for both overhead and sub-irrigation during propagation, as well as NFT (Nutrient Film Technique) and DWC (Deep Water Culture) systems. Not recommended for Dry-Hydroponics.

Suits crops/conditions with lower water demand

Maximum porosity for high airflow, drainage and nutrient refreshment

Ultra-low density for unrestricted seedling development

Drier substrate surface circumvents algae growth

Clean, food safe, free of pests and pathogens

# Technical Specifications

**Product Description:** OASIS® AeroMax™ PlugSheet is an engineered precision hydroponic growing media, free of any organic materials and produced from a resin commonly used in many household items. OASIS® AeroMax™ PlugSheet is designed for precision crop production in climates, conditions and systems with lower water demand.

Note: OASIS® AeroMax™ PlugSheet growing media arrives clean and dry, without a starter charge. The media should be fertilized with initial watering. Physical properties were established using NCSU Porometer.

Properties	OASIS® AeroMax® PlugSheet
pH	5.0 – 5.8
EC (mS/cm)	0.2 – 0.4
Total Porosity (%)	95 – 99
Air Porosity (%)	10 – 15
Water Holding Capacity (%)	80 – 85
Bulk Density (kg/m <sup>3</sup> )	12 – 16
Initial Water Content (%)	0



### Storage and Handling

Store out of direct sunlight in a cool, dry location. Stored properly, this product's shelf life is 2 years from the manufacture date.



### Food Safety

This product is food safe when used in conjunction with an effective, appropriate food safety program.



### Disposal

Though not biodegradable, this low-density substrate will degrade after disposal, reducing volume over time. Please check with your local waste disposal facility for end-of-life options.

# Product Options

Item Code	Product Description	Dibble Type	Dibble Top Diameter	Dibble Spacing (L x W)	Plug/Sheet Dimensions (L x W x H)
87-70501	<b>50CT</b> OASIS® AeroMax™ PlugSheet	Singleseed	1 cm (3/8")	5.08 cm x 5.08 cm (2" x 2")	4.6 cm x 4.45 cm x 3.81 cm (1 13/16" x 1 3/4" x 1 1/2")
87-70502	<b>50CT</b> OASIS® AeroMax™ PlugSheet	Multiseed			
87-71041	<b>104CT</b> OASIS® AeroMax™ PlugSheet	Singleseed	1 cm (3/8")	3.97 cm x 3.14 cm (1 9/16" x 1 15/64")	3.3 cm x 2.54 cm x 3.81 cm (1 15/16" x 1" x 1 1/2")
87-71042	<b>104CT</b> OASIS® AeroMax™ PlugSheet	Multiseed			
87-71621	<b>162CT</b> OASIS® AeroMax™ PlugSheet	Singleseed	1 cm (3/8")	2.86 cm x 2.78 cm (1 1/8" x 1 3/32")	2.26 cm x 2.26 cm x 3.81 cm (7/64" x 7/64" x 1 1/2")
87-71622	<b>162CT</b> OASIS® AeroMax™ PlugSheet	Multiseed			
87-72761	<b>276CT</b> OASIS® AeroMax™ PlugSheet	Singleseed	0.79 cm (5/16")	2.2 cm x 2.06 cm (1 1/8" x 1 3/32")	2.2 cm x 2.06 cm x 3.81 cm (7/8" x 7/16" x 1 1/2")
87-72762	<b>276CT</b> OASIS® AeroMax™ PlugSheet	Multiseed			
87-70095	<b>Plain</b> OASIS® AeroMax™ PlugSheet	N/A	N/A	N/A	Thin sheet 1.27 cm (1/2") H

NOTE: The 50CT, 104CT, 162CT sheets are etched around the plugs at the top. The plug dimensions (L x W) indicated are the top of the plug. The bottom dimensions are 0.32 cm (1/4") larger for length and width. Units of sale are 20 sheets per case/24 cases per pallet. For Plain Sheet: Sheet dimensions are 50.96 cm x 24.61 cm x 1.27 cm (20 1/16" x 9 1/16" x 1/2"). Units of sale are 60 sheets per case/24 cases per pallet. If your operation would benefit from a configuration not shown here, please let us know.

