



SYNLAWN®

Plant-Based Artificial Grass

BIOMIMETIC™

PRODUCT SPECIFICATIONS



SYNAUGUSTINE 847

A robust and highly durable artificial turf with a low pile height, tightly knit thatch, and realistic grass blades enhanced by Super Yarn™ Technology. SYNAugustine 847 is designed for heavy use, making it an ideal choice for homeowners, commercial facilities, and golfers seeking reliable, low-maintenance turf with a natural look and feel.

SKU	SA847B
Grass Zone Yarn/Color	PE / Sport Green/Apple/Olive
Grass Zone Denier	9,900/9
Thatch Zone Yarn/Color	PE / Field Green/Beige
Thatch Zone Denier	5,000/8
Grass Zone Yarn Shape	Biomimetic™ U
Finished Pile Height	1 1/4"
Finished Pile / Total Weight	80 oz./108 oz.
Backing	13PP/18PET 2pt / 22oz. EnviroLoc+™
Tuft Gauge	3/8"
Tuft Bind	> 8 lbs.
Permeability	> 1,000 inches p/hr
Features	Sanitized®, EnviroLoc+™, StatBlock™ Anti-Static, DualChill™ IR Reflective, Deluster, UV Stabilizers, Biomimetic™
Test Data	CAL1350, ASTM D2859, ASTM D7138, ASTM E108, ASTM F1292, ASTM F1951, ASTM F2765, EN-71, RCRA 8 TCLP



SUPER YARN™ TECHNOLOGY

SANITIZED®
ANTIMICROBIAL

DUALCHILL™
IR REFLECTIVE

STATBLOCK™
ANTI-STATIC



LIMITED LIFETIME WARRANTY



OPTIMAL DRAINAGE >1,000" P/HR



BIOMIMETIC™ TECHNOLOGY



PLANT-BASED ENVIROLOC+™ BACKING

ASK ABOUT OUR...
**USDA CERTIFIED
ORGANIC INFILL
SYSTEM**



**USDA
CERTIFIED
BIOBASED
PRODUCT**
PRODUCT 67%

SYNAugustine 847 is a USDA Certified Bio-Based artificial grass system in combination with organic infill, able to display a unique USDA label highlighting its percentage of biobased content.



LANDSCAPE



PETS



PLAY



GOLF



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

01.19.2025



SYNAUGUSTINE 847



Official Synthetic Surface

Primary Yarn Polymer	Polyethylene	Primary Backing	13PP/18PET 2pt
Yarn Cross Section	Biomimetic™ U	Coating Type	22 oz. EnviroLoc+
Standard Color	Sport Green/Apple/Olive	PE Yarn Denier / Ends	9,900/9
Fabric Construction	Tufted	Texturized Thatch Denier / Ends	5,000/8
Second Yarn Polymer Thatch	Polyethylene	Warranty Period	Limited Lifetime
Secondary Yarn Color	Field Green/Beige		

FINISH FABRIC	ENGLISH SYSTEM		ASTM TEST
Nominal Specification	Value	Units	Method
Pile Height (Nominal)	1 1/4"	inches	D-5823
Face Weight	80	oz/yd ²	D-5848
Total Fabric Weight	108	oz/yd ²	D-5848
Primary Backing Weight	6	oz/yd ²	D-5848
Secondary Coating Weight	22	oz/yd ²	D-5848
Tuft Bind	> 8	lbs.	D-1335
Grab Tear Strength (Average)	> 200	lbs.	D-5034
Total Yarn Linear Density	14,900	Denier	D-1577
Elongation to Break	> 30	%	D-2256
Yarn Breaking Strength	> 20	lbs.	D-5793
Machine Gauge	3/8	inches	D-5793
Flammability	Passed	-	D-2859
Water Permeability	> 1,000	in/hr	EN 12616
Fabric Width	15	ft	-



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MasterSpec®



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