



SYNLAWN®

Plant-Based Artificial Grass

BIOMIMETIC™

PRODUCT SPECIFICATIONS



SYNTIPEDE 343

When superior durability and reliability matter in high foot-traffic areas, this grass delivers. The ideal turf for a multitude of applications like playgrounds, pet areas, and more.

SKU	ST34B
Grass Zone Yarn/Color	PE / Field Green / Apple
Grass Zone Denier	10,800 / 6
Thatch Zone Yarn/Color	PE / Field Green / Beige
Thatch Zone Denier	5,000 / 8
Grass Zone Yarn Shape	Biomimetic™ C
Finished Pile Height	1 1/2"
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	EN 12616, CAL1350, ASTM D2859, ASTM D7138, ASTM E108, ASTM F1292, ASTM F1951, ASTM F2765, EN-71, RCRA 8 TCLP, BS EN 13746

SANITIZED®
ANTIMICROBIAL

DUALCHILL™
IR REFLECTIVE

STATBLOCK™
ANTI-STATIC

LIMITED LIFETIME WARRANTY

OPTIMAL DRAINAGE > 1,000" P/HR

USE IN ALL CLIMATES AND REGIONS

IDEAL FOR HIGH FOOT-TRAFFIC AREAS

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

SYNTIPEDE 343 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.



Official Synthetic Surface



SPECIFICATIONS SUBJECT TO CHANGE

02.09.2025



SYNTIPEDE 343



Official Synthetic Surface

Primary Yarn Polymer	Polyethylene	Primary Backing	13PP/18PET 2pt
Yarn Cross Section	Biomimetic™ C	Coating Type	22 oz. EnviroLoc+
Standard Color	Field Green / Apple	PE Yarn Denier / Ends	10,800 / 6
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 1/2	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	15,800	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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