

ASTM F1936-10 Test Report



This test is performed in accordance with ASTM F1936-15, a Standard Specification for Shock Attenuation of Turf Playing Systems as Measured in the Field. The results reported herein reflect the performance of the tested playing field surface at the time of testing and the temperature and ambient conditions reported. Performance will vary with the temperature, moisture content and other factors.

The test is performed using an "A missile" manufactured by Alpha Automation, Inc., in conformance with the technical requirements of ASTM F355 procedure A.

ASTM Standards are available from www.astm.org

Field Location: Terra Linda High School
320 Nova Albion Way
San Rafael, CA 94903

Date(s) of Test: 9/29/2017

Ambien Temp: 56 degrees F
Surface Temp (1/2 inch depth): 71 degrees F

Field Layout: Football
Product: Synthetic Turf with Infill
Manufacturer: Field Turf
Date Installed: 10/29/2006

Primary Contact:
Name: David Pedroli
Phone No.: (415)485-2445

Test Performed By: Timothy Golden

Test Locations & Results

Point 1 – Goal Line, End A Center Field

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
1	2'	18	11.3	239	875
2	2'	21	11.2	263	1034
3	2'	20	11.2	262	1011
Av. 2&3		20.5		262.5	1022.5

Point 2 – 10 Yard Line, End A and 63 feet measured from the centre of the field toward sideline C

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
4	2'	20	11.4	200	627
5	2'	20	11.2	224	777
6	2'	20	11.2	223	777
Av. 5&6		20		223.5	777

Point 3 – 25 Yard Line, End A and 40 feet measured from the center of the field toward sideline C

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
7	2'	26	11.3	175	537
8	2'	26	11.3	193	655
9	2'	23	11.3	190	649
Av. 8&9		24.5		191.5	652

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Point 4 – Center Field, center of field

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
10	2'	15	11.1	171	523
11	2'	15	11.1	187	574
12	2'	21	11.1	184	591
Av. 11&12		18		185.5	582.5

Point 5 – 25 Yard Line, End B and 63 feet measured from the center of the field toward sideline D

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
13	2'	20	11.1	162	517
14	2'	20	11.1	209	712
15	2'	22	11.1	214	739
Av. 14&15		21		211.5	725.5

Point 6 – 12 Yard Line, End B and the center of the field

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
16	2'	20	11.0	216	685
17	2'	20	11.0	240	889
18	2'	20	11.0	233	736
Av. 17&18		20		236.5	812.5

Point 7 – point selected by the tester out of bounds

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
19	2'	30	11.3	153	434
20	2'	30	11.3	167	532
21	2'	33	11.3	166	510
Av. 20&21		31.5		166.5	521

Point 8 – Point selected by the tester

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
22	2'	29	11.1	157	472
23	2'	28	11.1	172	546
24	2'	29	11.1	172	555
Av. 23&24		28.5		172	550.5

Point 9 – 6' from the goal line toward the back of the end zone, end A

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
25	2'	23	11.2	206	689
26	2'	25	11.2	227	800
27	2'	23	11.3	231	827
Av. 26&27		24		229	813.5

Point 10 – 6' from back of end zone toward goal line at end B

Drop #	Drop Height	Infill Depth	Velocity	GMAX	HIC
28	2'	23	11.1	167	450
29	2'	23	11.1	187	542
30	2'	22	11.1	192	595
Av. 29&30		22.5		189.5	568.5

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Point 1:



Description (if needed):

Point 2:



Description (if needed):

Point 3:



Description (if needed):

Point 4:



Tested on Fiber. Avg infill was 18mm.

Point 5:



Description (if needed):

Point 6:



Description (if needed):

Point 7:



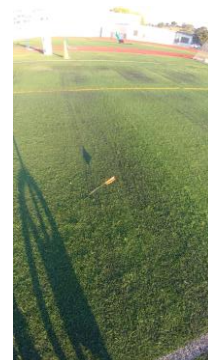
Description (if needed):

Point 8:



Description (if needed):

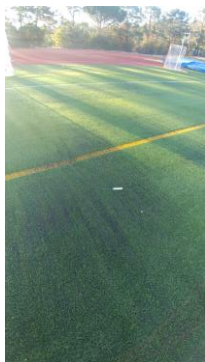
Point 9:



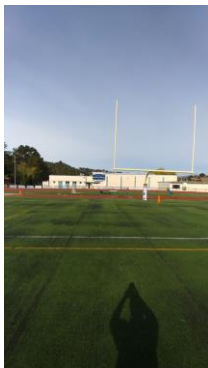
Description (if needed):

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Point 10:



Description (if needed):



Test Side A

