



Gmax Test Results for:

Sprinturf

Field or Site Location:

Richard Montgomery Stadium field

Date Conducted:

4/22/2019

BY:

James Cornelius, CSFM

TurfAssist, A division of Fisher and Son Company, Inc. conducted field tests in accordance with ASTM F1936-10 using certified, calibrated CB (Triax) test equipment as per ASTM F355 Method A in order to evaluate the shock absorbing characteristics of the synthetic turf playing surface. This report presents Background & Existing conditions, Test Results and Observations.

Three (3) consecutive drops of the twenty (20) pound impacting missile from a height of twenty four (24) inches were made at each test point location. The value of Gmax is determined by averaging the results of the second and third drop as the first drop (a conditioning drop) is recorded but not averaged as per ASTM F1936-10.

Turf Manufacturer Sprinturf Date/Year Installed 2018

Field has Lines for the following sports	<input checked="" type="checkbox"/>	Football	<input type="checkbox"/>	Unlined Baseball Softball
	<input checked="" type="checkbox"/>	Soccer		
	<input checked="" type="checkbox"/>	Men's Lacrosse		
	<input checked="" type="checkbox"/>	Women's Lacrosse		
	<input checked="" type="checkbox"/>	Field Hockey		

Air Temperature:

Measured in the shade

Surface Temperature:

Weather Conditions:	<input checked="" type="checkbox"/>	SUNNY	<input type="checkbox"/>	OVERCAST
	<input type="checkbox"/>	WINDY	<input type="checkbox"/>	SNOW
	<input type="checkbox"/>	RAIN	<input type="checkbox"/>	OTHER

Field Condition	<input checked="" type="checkbox"/>	DRY	<input type="checkbox"/>	SNOW COVERED
	<input type="checkbox"/>	DAMP	<input type="checkbox"/>	ICE PRESENT
	<input type="checkbox"/>	STANDING WATER	<input type="checkbox"/>	OTHER

Using the CB II, Gmax Tester for Data Acquisition and Analysis Report in Accordance with the following test methods:

ASTM F1936-10 and ASTM F355 Method A

R
C u D
r b e
u b p
m e t
b r h

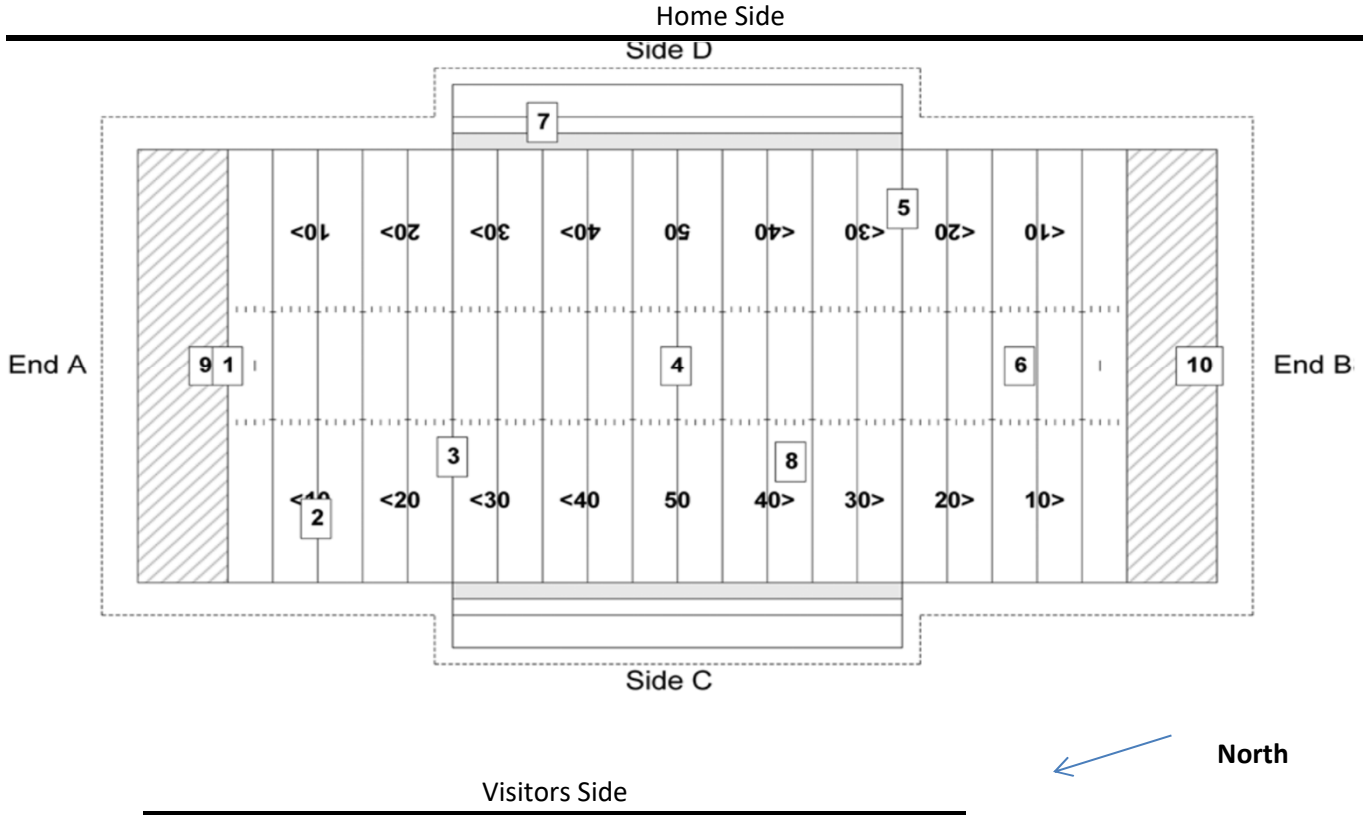
Drop #	Gmax	HIC	Location			Gmax Aver.	HIC Aver.	
			Time	Point	Location Description			
1	103	285	10:45 AM	7	Home side north end 3 yard outside sideline in line with the 35 yard line	107	311	13
2	110	347	10:45 AM					
3	103	275	10:45 AM					
4	106	290	10:46 AM	4	Center of field	106	279	13
5	107	283	10:47 AM					
6	104	274	10:47 AM					
7	101	277	10:48 AM	5	Home side south end 25 yard line bottom of numbers	108	289	16
8	107	288	10:48 AM					
9	108	289	10:49 AM					
10	112	316	10:49 AM	6	South end centered on 12 yard line	117	330	12
11	116	330	10:49 AM					
12	118	329	10:50 AM					
13	110	320	10:50 AM	10	South end centered 9 yards into endzone	108	296	14
14	108	297	10:50 AM					
15	108	294	10:51 AM					
16	104	289	10:52 AM	8	Visitors side south end 38 yard line 1/2 way between center hash marks & numbers	109	291	17
17	109	295	10:52 AM					
18	109	287	10:53 AM					
19	103	281	10:55 AM	3	Visitors side north end 25 yard line 1/2 way between center hash marks & numbers	110	294	16
20	110	289	10:55 AM					
21	109	298	10:55 AM					
22	111	319	10:57 AM	2	Visitors side north end 10 yard line bottom of numbers	115	321	16
23	115	327	10:57 AM					
24	114	315	10:58 AM					
25	100	264	10:58 AM	1	North end centered on goal line	104	273	16
26	103	267	10:59 AM					
27	105	279	10:59 AM					
28	106	275	11:00 AM	9	North end centered 5 yards into endzone	110	288	17
29	109	283	11:00 AM					
30	110	293	11:01 AM					
Overall Average						109	297	15

Infill is measured and recorded in Millimeters

As per **ASTM F1936-10** section **8.1.1** - On fields lined for multiple sports, the selection of test point locations will be determined by the sport which appears first on the following list: Football (American football, Canadian football, and rugby), soccer, men's lacrosse, women's lacrosse, baseball, softball, field hockey. Section **8.1.2** - Actual drop sites may be located anywhere within a 36 inch radius of a described test point location. Deviations that exceed this requirement must be recorded as site abnormalities, per **11.1.15**.

As per **ASTM F1936-10** section **11.1.17.1** Test results reported herein reflect the performance of the points tested, at the time of testing and at the temperature(s) reported.

As per **ASTM F1936-10** section **6.1** When tested in accordance with this specification the average G-max at each point shall be less than 200 g's



If any other information is required please do not hesitate to contact me.

Respectfully Submitted,

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