



A Clean Field – Looks Better, Plays Better, Lasts Longer!

Contact Information

Owner	Field Name	Primary Sport	Square footage
Upper Saddle River	Lake St Complex Soccer	Soccer	150,000
Contact Name	Phone #	Manufacturer	Install Date
Ed Gartner	201-248-5951	Shaw	2023
Street	Town	State	Zip
516 E Crescent Ave	Upper Saddle River	NJ	07458

Test Information

Weather Condition	Field Condition	Gmax Field Average
Sunny	Dry	152.1
Air Temp (F)	Field Temp (F)	Infill Average
81	116	33.2

Testing Description

Per ASTM F1936 standards and utilizing the ASTM F355 Procedure A test method, an athletic field is typically assessed at 10 high-traffic locations, such as midfield and goal areas. This procedure employs a specialized F355 "A" missile—a 20-pound flat-faced weight—dropped from a height of 2 feet to measure the surface's impact attenuation. At each of the 10 points, the missile is dropped three consecutive times: the first drop serves to condition and compact the infill, while the second and third drops are recorded and averaged to determine the final Gmax value for that specific location.

To comply with safety requirements, no single test point should exceed a value of 200 g's, as values above this threshold are associated with a significantly higher risk of life-threatening head injuries. While the 200 Gmax limit is the maximum allowable standard accepted by the U.S. Consumer Product Safety Commission, many industry experts and the Synthetic Turf Council recommend a more conservative threshold of 165 Gmax. Maintaining these levels through regular testing and infill management is critical for ensuring both the longevity of the synthetic fibers and the ongoing safety of the athletes.



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Date of Test

04/16/2026

Gmax Field Average

152.1

Infill Average

33.2

Location	Drop 1	Drop 2	Drop 3	Infill	Gmax Average
9	142	156	157	34	156.5
1	136	150	153	33	151.5
2	137	151	156	33	153.5
3	131	147	149	34	148.0
7	146	167	172	31	169.5
4	140	151	144	33	147.5
5	137	149	153	33	151.0
6	152	161	164	32	162.5
10	149	146	153	33	149.5
8	136	151	153	33	152.0

Side A

Scoreboard

Side B

Parking lot

Side C

Football field

Side D

Main road way