



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

Contact Information

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

Test Information

Weather Condition	Field Condition	Gmax Field Average
Sunny	Dry	154.6
Air Temp (F)	Field Temp (F)	Infill Average
81	116	31.6

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

154.6

Infill Average

31.6

Location	Drop 1	Drop 2	Drop 3	Infill	Gmax Average
9	137	154	153	30	153.5
1	140	154	158	30	156.0
2	143	160	164	32	162.0
3	140	155	158	32	156.5
7	135	152	158	33	155.0
4	141	155	158	31	156.5
8	126	140	143	34	141.5
5	138	155	160	32	157.5
6	135	140	141	32	140.5
10	149	163	170	30	166.5

Side A

Flag pole

Side B

Scoreboard

Side C

Soccer

Side D

Condos