

DATE: 05-19-2020

TEST NUMBER: 0404427

CLIENT Target Technologies International, Inc.

TEST CONDUCTED ASTM F355 (Lab) Test Method for Shock-Absorbing Properties of Playing Surface Systems and Materials



PRODUCT NAME	TTII Peak-Performance Pad 19mm
DESCRIPTION OF PRODUCT TESTED	Green Turf PE

**GENERAL PRINCIPLE**

A test specimen is impacted at a specified velocity with a missile of given mass and geometry. A transducer mounted in the missile monitors the acceleration-time history of the impact, which is recorded with the aid of an oscilloscope or other recording device. The 20 lb. missile with a 20 in<sup>2</sup> surface area was dropped at the appropriate height to ensure the appropriate missile speed as specified by the ASTM method. All samples were loose laid on a 4 inch thick concrete slab. The GMAX values, Severity Index, and Head Impact Criteria (HIC) are all recorded for three drops.

**TEST RESULTS**

Concrete	DROP 2	DROP 3	AVERAGE OF DROP 2 & 3
G-MAX	70	76	73
HIC	184	198	191

**COMMENTS**

The reference point used for GMAX is 200. This value is referenced and used to indicate the likelihood of a serious injury occurrence such as a skull fracture. The lower the value of GMAX the less the likelihood of a serious injury.

APPROVED BY: *Gary Colburn*

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical or similar products. This report, or the name of Professional Testing Laboratory Inc. shall not be used under any circumstance in advertising to the general public.

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**TEST RESULTS**

Rock	DROP 2	DROP 3	AVERAGE OF DROP 2 & 3
G-MAX	69	72	70
HIC	169	180	174

**COMMENTS**

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APPROVED BY: *Gary Anthony*

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