

DATE: 03-18-2020

TEST NUMBER: 0404368

CLIENT Target Technologies International, Inc.

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



PRODUCT TTII Peak-Performance Pad 14mm

DESCRIPTION Base -Concrete

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 in² 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

	DROP 2	DROP 3	AVERAGE OF DROP 2 & 3
G-MAX	80	85	83

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: *Larry 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

	DROP 2	DROP 3	AVERAGE OF DROP 2 & 3
HIC	223	237	230

COMMENTS

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APPROVED BY: *Gary Colburn*

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