



TEST REPORT

DATE: 01/05/2005

TEST NUMBER: 093007

CLIENT	Sport Surface Specialties
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TEST METHOD CONDUCTED	ASTM F1292-04 Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Dura Turf PNP 1 1/2"
COLOR	-----
ROLL	-----
CONSTRUCTION	Rubber

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 10 lb. missile was dropped at the appropriate height. The GMAX values, HIC (head impact criteria) are recorded for three drops. The second and third drops are averaged. Testing was conducted at three temperatures as listed on the results. The maximum criteria for passing a drop height is 200 gmax or 1,000 HIC.

TEST RESULTS

Drop Height 4'0 @ 70°F	Drop 1	Drop 2	Drop 3	Avg of 2 nd & 3 rd Drops
G-MAX	160	166	167	166.5
Head Injury Criteria	816	854	833	843.5

Drop Height 4'0"@ 20°F	Drop 1	Drop 2	Drop 3	Avg of 2 nd & 3 rd Drops
G-MAX	155	166	162	164
Head Injury Criteria	734	810	795	802.5

Drop Height 4'0" @ 120°F	Drop 1	Drop 2	Drop 3	Avg of 2 nd & 3 rd Drops
G-MAX	159	163	167	165.5
Head Injury Criteria	818	829	852	840.5

COMMENTS

The submitted sample does not exceed the maximum HIC (1000) or GMAX (200) from drops at the height of 4'0".

APPROVED BY:

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