



TEST REPORT

DATE: 03/18/2005

TEST NUMBER: 094391

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	4"
COLOR	Brown
ROLL	-----
CONSTRUCTION	Rubber
FIBER	-----
BACKING	-----
REFERENCE	

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 face was dropped at the appropriate height to ensure the appropriate missile speed as specified by the ASTM F355 method. 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.

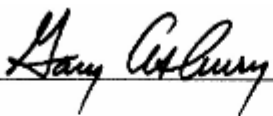
TEST RESULTS

Tested at 72° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	130	137	137	137
HIC	819	891	885	888

Tested at 25° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	130	137	140	139
HIC	842	879	902	891

Tested at 120° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	146	155	150	153
HIC	1049	971	1020	996

**Submitted samples subjected to a drop height of 9'0"*

APPROVED BY: 

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