



# TEST REPORT

DATE: 03/18/2005

TEST NUMBER: 094392

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	3"
COLOR	Blue/Black
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 in<sup>2</sup> 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.

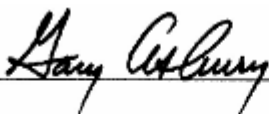
### TEST RESULTS

Tested at 72° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	156	156	156	156
HIC	968	962	971	967

Tested at 25° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	150	159	161	160
HIC	906	1001	991	996

Tested at 120° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	159	170	162	166
HIC	1021	1010	984	997

*\*Submitted samples subjected to a drop height of 8'0"*

APPROVED BY: 

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