



TEST REPORT

DATE: 03/18/2005

TEST NUMBER: 094389

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|--------|---------------------------|
| 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 | 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.

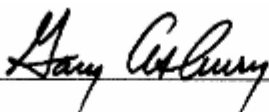
TEST RESULTS

| Tested at 72° F | DROP 1 | DROP 2 | DROP 3 | AVERAGE OF DROPS 2 AND 3 |
|-----------------|--------|--------|--------|--------------------------|
| GMAX | 143 | 145 | 147 | 146 |
| HIC | 824 | 825 | 876 | 851 |

| Tested at 25° F | DROP 1 | DROP 2 | DROP 3 | AVERAGE OF DROPS 2 AND 3 |
|-----------------|--------|--------|--------|--------------------------|
| GMAX | 142 | 153 | 151 | 152 |
| HIC | 846 | 914 | 875 | 895 |

| Tested at 120° F | DROP 1 | DROP 2 | DROP 3 | AVERAGE OF DROPS 2 AND 3 |
|------------------|--------|--------|--------|--------------------------|
| GMAX | 155 | 154 | 159 | 157 |
| HIC | 947 | 948 | 964 | 956 |

**Submitted samples subjected to a drop height of 7'0"*

APPROVED BY: 

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