



TEST REPORT

DATE: 01/05/2005

TEST NUMBER: 093009

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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 | Dura Turf PNP 2 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 6'6" @ 70°F | Drop 1 | Drop 2 | Drop 3 | Avg of 2 nd & 3 rd Drops |
|-------------------------|--------|--------|--------|--|
| G-MAX | 146 | 156 | 154 | 155 |
| Head Injury Criteria | 890 | 964 | 952 | 958 |

| Drop Height 6'6"@ 20°F | Drop 1 | Drop 2 | Drop 3 | Avg of 2 nd & 3 rd Drops |
|------------------------|--------|--------|--------|--|
| G-MAX | 155 | 166 | 163 | 164.5 |
| Head Injury Criteria | 967 | 993 | 994 | 993.5 |

| Drop Height 6'6" @ 120°F | Drop 1 | Drop 2 | Drop 3 | Avg of 2 nd & 3 rd Drops |
|--------------------------|--------|--------|--------|--|
| G-MAX | 150 | 155 | 160 | 157.5 |
| Head Injury Criteria | 946 | 987 | 996 | 991.5 |

COMMENTS

The submitted sample does not exceed the maximum HIC (1000) or GMAX (200) from drops at the height of 6'6".

APPROVED BY:

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