



TEST REPORT

DATE: 05/30/2007

TEST NUMBER: 108040

CLIENT	Challenger Industries
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TEST METHOD CONDUCTED	Surface Flammability of Carpets and Rugs (CPSC FF 1-70) also referenced as ASTM D2859
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	ELSL
COLOR	----
ROLL	----
CONSTRUCTION	Turf
FIBER	----
BACKING	----
REFERENCE	

GENERAL PRINCIPLE

This test method is intended to measure the response of finished textile floor covering materials when exposed to an ignition source under controlled laboratory conditions. It is applicable to all types of textile floor coverings whether constructed from natural or man-made materials.

TEST CRITERION

The uncharred area of the test specimen must be greater than one inch in at least seven of the eight specimens tested in order to meet the acceptance criterion.

TEST RESULTS

	SPECIMEN NUMBER							
	1	2	3	4	5	6	7	8
Uncharred Area (Inches)	3.6	3.7	3.6	3.6	3.6	3.7	3.5	3.6

NOTE: This Sample was tested on the face side.

This sample **PASSES** the Federal Flammability Standard DOC FF 1-70.

APPROVED BY:



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TEST REPORT

CLIENT:	X-Grass	REPORT NUMBER:	40234-1
	1243 Cavender Road	LAB TEST NUMBER:	1896-2138
	Dalton, GA 30721	DATE:	February 4, 2008

TEST MATERIAL:

Turf Identification	Infill System Installed
PE/PE KDK	3.5 lbs/sq/ft STF

TEST METHOD: Testing Services Inc (TSi) Internal Procedure: *Sports Surface Simulated Sunlight (Heat) Test*

SCOPE OF TEST: This test method provides an indicator of temperatures obtained just below the surface of a natural grass playing system.

PROCEDURE: The above natural grass was subjected to a 250W heat lamp suspended 12" above the pile surface, fitted to fit beneath a 30 gallon galvanized trashcan as a conductor. Temperature readings were taken at 2-minute intervals from thermocouples buried just below the surface of the grass (root) for a period of 20 minutes. The temperature data was transmitted wirelessly by ICHM 50/50, to a laptop for analysis and recording.

TEST DATA:

Maximum Temperature Achieved in 20 Minutes
147.64°F

Approved By:

Erle Miles Jr. VP
 Testing Services Inc

Note:

- Channel 1: PE/PE KDK with STF Infill
- Channel 2: PE/PE KDK No Infill
- Channel 3: Nylon No Infill
- Channel 4: PE XP No Infill