



Test Report

CLIENT:	ForeverLawn, Inc	REPORT NUMBER:	60266C
	8007 Beeson St	LAB TEST NUMBER:	2596-9052
	Louisville, OH 44641	DATE:	March 21, 2014
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Test Material:

Turf Identification
K9Grass Sport

Test Scope:

Testing Services Inc was instructed to analyze for the following:

- Determine the breaking strength of submitted finished synthetic turf in both the machine (length) and cross machine (width) direction.

Test Methods:

ASTM D5034: Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

Test Equipment:

Instron Tensile Tester: Constant Rate of Extension
 Instron Jaw Size: 1" X 1"
 Instron Jaw Separation: 3"
 Instron Head Speed: 12"/minute

Test Sampling:

of Specimens: 5 (Long Dimension Parallel with Warp (Machine) Direction of Material)
 5 (Long Dimension Parallel with Fill (Cross) Direction of Material)
 Specimen Size: 4" X 6"
 Pre-Conditioning: 70°F 65% RH for 24 Hours Minimum

Procedure:

Each specimen was die cut from the sample lot, tagged with a corresponding TSi Lab #, and placed into pre-conditioning. After conditioning, a line was drawn parallel to the long direction and located 1.5" in from the edge of one side of the specimen. The specimen was then mounted into the jaws of an Instron CRE Tensile Tester, using the previously drawn line to position the sample, ensuring that the same lengthwise yarns of woven fabrics are gripped in both clamps. The Instron was activated and testing continued until the specimen ruptured. From the Instron interface, the maximum force exerted on the specimen (breaking force) was recorded. A total of five (5) grab tears from both material directions were conducted.

Test Data:

Material Direction	Breaking Strength-Grab Tear
Length	326.6 lbs/force
Width	264.1 lbs/force

Approved By:

Digitally signed by Erle Miles, Jr V.P.
 DN: cn=Erle Miles, Jr V.P., o=Testing
 Services Inc, ou,
 email=erle@testing-services.com, c=US
 Date: 2015.08.03 16:30:53 -0400

Erle Miles, Jr V.P., Testing Services Inc

TSi Accreditation:

Our laboratory is accredited with US Dept of Commerce, National Institute of Standards and Technology: ISO/IEC 17025:2005. TSi is a recognized certified laboratory by the Synthetic Turf Council

Uncertainty:

We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information to us using the latest test methods available.