



Test Report

CLIENT:	ForeverLawn, Inc	REPORT NUMBER:	60266B
	8007 Beeson St	LAB TEST NUMBER:	2596-9052
	Louisville, OH 44641	DATE:	March 21, 2014
		PAGE:	1 of 1

Test Material:

Turf Identification
K9Grass Sport

Test Scope:

Testing Services Inc was instructed to analyze for the following:

- Determine the tuft bind strength of slit film and thatch from one tuft site

Test Method:

ASTM D1335: Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings

Results:

Five specimens, 6" X 8" were taken from the sample roll and tested in accordance with ASTM D1335: Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings. Each specimen was mounted on the sample holder of an Instron Tensile Tester Machine and placed in the stationary clamp jaws with the rows of tufts at right angles to the long axis of the holder in such a position that the tuft to be tested was approximately centered over the cut away portion of the holder. Using a tuft clamp, one tuft leg from a tuft site, was located, and securely gripped. The Instron was activated and the maximum force necessary to pull the tuft from the primary and secondary backing was recorded. An additional two pulls were made on the same specimen at least 1" apart from the previous pull. This procedure was conducted on all five specimens to achieve a total of fifteen pulls. The results were averaged and are reported below.

Test Area	Average Tuft Bind Strength
Slit Film /Thatch (1 Tuft Site)	12.7 lbs/force

(Results expressed in lbs/force)

Pull # 1	8.784	Pull # 2	14.63	Pull # 3	12.8	Pull # 4	14.75	Pull # 5	14.05
Pull # 6	10.27	Pull # 7	15.18	Pull # 8	13.81	Pull # 9	9.458	Pull # 10	11.4
Pull # 11	16.94	Pull # 12	12.41	Pull # 13	17.44	Pull # 14	7.6	Pull # 15	10.48

Approved By:

Digitally signed by Erle Miles, Jr V.P.
 DN: cn=Erle Miles, Jr V.P., o=Testing Services, Inc., email=erle@testing-services.com, c=US
 Date: 2014.03.21 10:05:00 -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.