



CLIENT:

Company:	ForeverLawn Inc
Address:	8007 Beeson Rd
	Louisville, OH 44641

TEST MATERIAL:

Date Material Received:	May 30, 2024
Material Type:	Synthetic Turf
Material Condition:	Excellent, New
Material ID:	K9 Grass Endura

TEST METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following...			
Standard:	ASTM E303-18	Test Method:	Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester Standard

SAMPLING PLAN:

Sampling Date:	5/30/24
<ul style="list-style-type: none"> Specimen sampling is performed in the sampling department at TSI. The sampling size of specimens is determined by the test method requirements. In the event a specific sampling size is not called for, a determination will be made based on previous testing experience and approved for use by an authorized manager. All samples are subjected to the outside environmental conditions of temperature and relative humidity. Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested 	

DEVIATION FROM TEST METHOD:

State reason for any Deviation from, Additions to, or Exclusions from Test Method.	
None	

TEST SCOPE:

This method determines the surface frictional properties using a British Pendulum Skid Resistance Tester. The British Pendulum Tester is a dynamic pendulum impact-type tester used to measure the energy loss when a rubber slider edge is propelled over a test surface. The surface was initially tested dry in one direction and then dry 90 degrees to the initial direction. Next, the surface was tested wet in one direction and then wet 90 degrees to the initial direction. Five skids were made in each direction and the final 4 averaged per ASTM E303.

Test Conditions	70°F, 50% RH
Test Equipment	Outlines in EN 13036-4 Section 4
Rubber Slider	#55
Surface Temp @ Test	70°F

TEST DATA:

Swing #	Direction	Results (BPN)	Swing #	Direction	Results (BPN)
1 DRY	Parallel with Direction of Tan Yarn	Conditioning	1 DRY	Perpendicular with Direction of Tan Yarn	Conditioning
2 DRY	Parallel with Direction of Tan Yarn	50	2 DRY	Perpendicular with Direction of Tan Yarn	60
3 DRY	Parallel with Direction of Tan Yarn	55	3 DRY	Perpendicular with Direction of Tan Yarn	60
4 DRY	Parallel with Direction of Tan Yarn	55	4 DRY	Perpendicular with Direction of Tan Yarn	59
5 DRY	Parallel with Direction of Tan Yarn	59	5 DRY	Perpendicular with Direction of Tan Yarn	62
Average	Parallel with Direction of Tan Yarn	55	Average	Perpendicular with Direction of Tan Yarn	60

Swing #	Direction	Results (BPN)	Swing #	Direction	Results (BPN)
1 WET	Parallel with Direction of Tan Yarn	Conditioning	1 WET	Perpendicular with Direction of Tan Yarn	Conditioning
2 WET	Parallel with Direction of Tan Yarn	49	2 WET	Perpendicular with Direction of Tan Yarn	51
3 WET	Parallel with Direction of Tan Yarn	43	3 WET	Perpendicular with Direction of Tan Yarn	50
4 WET	Parallel with Direction of Tan Yarn	45	4 WET	Perpendicular with Direction of Tan Yarn	49
5 WET	Parallel with Direction of Tan Yarn	47	5 WET	Perpendicular with Direction of Tan Yarn	47
Average	Parallel with Direction of Tan Yarn	46	Average	Perpendicular with Direction of Tan Yarn	49

Notes:

We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information given to us using the latest test methods available. TSI can only ensure the test results for the specific items tested. Unless otherwise noted in the deviation sections of this report, all tests are performed in compliance with the stated test method.

Test Report Approval:

Erlé Miles, III, Lab Director Testing Services (TSI) LLC

TSI Accreditation: TSI is an Organizational Member of ASTM (American Society for Testing and Materials).

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