

TEST REPORT

CLIENT: 79938A Company: **Report Number:** Turf and Ivy Solutions Address: Lab Test Number: 3180-2872 5 Centerpointe Dr, Ste 400. **Test Completion Date:** 2/26/2020 Lake Oswego, Oregon 97035 3/13/2020 Report Date: Requested by: Patricia Ochoa Page: 1 of 1 TEST MATERIAL ·

Material Type:	Synthetic Turf				Date Red	eived: 2/18/2020		
Material Condition:	EXCELLENT:	XXX	GOOD:		POOR:	REJECTED:		
Product ID:	Onyx							

TESTING METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following							
Standard: ASTM D1335 Test Method: Standard Test Method for Tuft Bind Strength of Pile Yarn Floorcoverings							
SAMPLING PLAN:							
Sampling Date: 2/18/2020							
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 humidly.

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	SU	MM	ARY:	
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TEST METHOD	TEST DESCRIPTION	TEST RESULT					
ASTM D1335-17e1	Average Tuft Bind Strength	11.6 lbs/force					

Each individual pull was made from a combination of monofilament and textured fibers, same needle site

Pull #1	11.62 lbs/force	Pull #2	10.26 lbs/force	Pull #3	12.46 lbs/force	Pull #4	8.617 lbs/force	Pull #5	10.09 lbs/force
Pull #6	9.289 lbs/force	Pull #7	9.342 lbs/force	Pull #8	9.664 lbs/force	Pull #9	15.81 lbs/force	Pull #10	12.97 lbs/force
Pull #11	11.46 lbs/force	Pull #12	15.89 lbs/force	Pull #13	13.74 lbs/force	Pull #14	11.25 lbs/force	Pull #15	11.28 lbs/force

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.

TSI can only ensure the test results for the specific items tested.

Unless otherwise noted in the deviations sections of this report, all tests are performed in compliance with stated test method.

Test Report Approval:

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

TSi Accreditation:

Our laboratory is accredited by the US Dept. of Commerce, National Institute of Standards and Technology: ISO/IEC 17025:2005. Our code # is: NVLAP 100108-0 TSi is a certified independent testing laboratory by the Synthetic Turf Council



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