

CLIENT:

Company:	Artificial Grass Liquidators
Address:	PO Box 1627 Temecula, CA 92593
Requested By:	Dillon Georgian

TEST MATERIAL:

Date Material Received:	April 14, 2020
Material Type:	Synthetic Turf
Material Condition:	Excellent, New
Material ID:	Pro 52

TESTING METHODS REQUESTED:

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
Standard:	ASTM D1335	Test Method:	Standard Test Method for Tuft Bind Strength of Pile Yarn Floorcoverings

SAMPLING PLAN:

Sampling Date:	4/14/2020
<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 SUMMARY:

TEST METHOD	TEST DESCRIPTION	TEST RESULT																														
ASTM D1335-17e1	Average Tuft Bind Strength	10.1 lbs/force																														
<p>➤ Each individual pull was made on a combination of Monofilament fibers and textured fibers, same needle site</p> <table border="1"> <tr> <td>Pull #1</td> <td>8.671 lbs/force</td> <td>Pull #2</td> <td>9.127 lbs/force</td> <td>Pull #3</td> <td>10.26 lbs/force</td> <td>Pull #4</td> <td>5.638 lbs/force</td> <td>Pull #5</td> <td>15.73 lbs/force</td> </tr> <tr> <td>Pull #6</td> <td>12.46 lbs/force</td> <td>Pull #7</td> <td>10.66 lbs/force</td> <td>Pull #8</td> <td>6.685 lbs/force</td> <td>Pull #9</td> <td>11.89 lbs/force</td> <td>Pull #10</td> <td>9.960 lbs/force</td> </tr> <tr> <td>Pull #11</td> <td>10.34 lbs/force</td> <td>Pull #12</td> <td>8.510 lbs/force</td> <td>Pull #13</td> <td>10.26 lbs/force</td> <td>Pull #14</td> <td>9.825 lbs/force</td> <td>Pull #15</td> <td>10.79 lbs/force</td> </tr> </table>			Pull #1	8.671 lbs/force	Pull #2	9.127 lbs/force	Pull #3	10.26 lbs/force	Pull #4	5.638 lbs/force	Pull #5	15.73 lbs/force	Pull #6	12.46 lbs/force	Pull #7	10.66 lbs/force	Pull #8	6.685 lbs/force	Pull #9	11.89 lbs/force	Pull #10	9.960 lbs/force	Pull #11	10.34 lbs/force	Pull #12	8.510 lbs/force	Pull #13	10.26 lbs/force	Pull #14	9.825 lbs/force	Pull #15	10.79 lbs/force
Pull #1	8.671 lbs/force	Pull #2	9.127 lbs/force	Pull #3	10.26 lbs/force	Pull #4	5.638 lbs/force	Pull #5	15.73 lbs/force																							
Pull #6	12.46 lbs/force	Pull #7	10.66 lbs/force	Pull #8	6.685 lbs/force	Pull #9	11.89 lbs/force	Pull #10	9.960 lbs/force																							
Pull #11	10.34 lbs/force	Pull #12	8.510 lbs/force	Pull #13	10.26 lbs/force	Pull #14	9.825 lbs/force	Pull #15	10.79 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:

 Digitally signed by Erle Miles
 DN: cn=Erle Miles, o=Testing Services Inc.
 email=erle@testing-services-usa.com, c=US
 Date: 2020.10.01 11:46:59 -0400
 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 an Organizational Member of ASTM (American Society for Testing and Materials). TSi is a certified independent testing laboratory by the STC (Synthetic Turf Council).



Testing Services (TSI) LLC
 817 Showalter Avenue
 PO Box 1343
 Dalton, GA 30721