



CLIENT:

Company:	Irrigation Express Inc.
Address:	13650 Vaughn Street
	San Fernando, CA 91340
Requested By:	Steve Gonzalez

TEST MATERIAL:

Date Material Received:	January 13, 2021
Material Type:	Synthetic Turf
Material Condition:	Excellent, New
Material ID:	Verdant Supreme - 94

TESTING METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following...			
Standard:	ASTM D5848	Test Method:	Standard Test Method for Mass Per Unit Area of Pile Yarn Floorcoverings
Standard:	ASTM D5823	Test Method:	Standard Test Method for Tuft Height of Pile Yarn Floorcoverings
Standard:	ASTM D5793	Test Method:	Standard Test Method for Binding Sites per Unit Length or Width of Pile Yarn Floorcoverings
Standard:	ASTM D1335	Test Method:	Standard Test Method for Tuft Bind of Pile Yarn Floorcoverings
Standard:	ASTM D5034	Test Method:	Standard Test Method for Breaking Strength of Textile Fabrics (Grabs)
Standard:	ASTM D7138	Test Method:	Standard Test Method for Determining Melting Temperature of Synthetic Fibers (Fiber ID)

SAMPLING PLAN:

Sampling Date:	1/13/2021
<ul style="list-style-type: none"> <li>Specimen sampling is performed in the sampling department at TSI.</li> <li>The sampling size of specimens is determined by the test method requirements.</li> <li>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.</li> <li>All samples are subjected to the outside environmental conditions of temperature and relative humidity.</li> <li>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</li> </ul>	

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 D5848-20	Total Product Weight	122.51 oz/yd <sup>2</sup>	
ASTM D5848-20	Pile Weight	94.10 oz/yd <sup>2</sup>	
ASTM D5823-19	Average Tuft Height	2.0"	
ASTM D5793-18	Stitch Count per 1" / Gauge	4.0 SPI / 3/8" gauge	
ASTM D1335-17e1	Average Tuft Bind Strength	13.2 lbs/force	
ASTM D7138-16	Fiber ID; Melt Point – Monofilament	Monofilament Fiber Polyethylene 120°C	Textured Fiber Polypropylene 170°C

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 an Organizational Member of ASTM (American Society for Testing and Materials). TSI is a certified independent testing laboratory by the Synthetic Turf Council

