



**CLIENT:**

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

**TEST MATERIAL:**

Date Material Received:	April 29, 2021
Material Type:	Synthetic Turf
Material Condition:	Excellent, New
Material ID:	Bel Air S-66
Infill:	None

**TESTING METHODS REQUESTED:**

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
Standard:	ASTM D2859	Test Method:	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials

**SAMPLING PLAN:**

Sampling Date:	4/29/21
<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>	

**TEST SCOPE:**

This test method provides a method of determining the flammability characteristics utilizing a small ignition source (methenamine tablet) in a laboratory environment. Eight specimens, 9" X 9", were taken from the sample lot and preconditioned in an air circulating oven @ 150°C for 2 hours. After removal from the oven, each specimen was placed into a desiccator for 1 hour prior to performing the test. After cooling, each sample was then placed into the test chamber floor and a steel frame, 230mm X 230mm with 200mm diameter hole, placed on top of the pile surface. A methenamine tablet was placed centrally onto the fiber surface. The pill was ignited using a lighted match, with the ignition flame and propagated flame allowed to self-extinguish.

**CRITERIA:**

The specimen passes, if the charred portion of the test specimen, did not extend to within 25mm (1") of the diameter hole of the steel frame. The U.S. Consumer Product Safety Commission requires that at least seven of the eight specimens pass the test for acceptance as meeting the standard.

**DEVIATION FROM TEST METHODS:**

<b>State reason for any Deviation from, Additions to, or Exclusions From Test Method.</b>
Due to fiber content, specimens were placed in a reduced (80°C) air circulating oven during pre-conditioning

**TEST DATA:**

Test Method	Test Specimen #	Uncharred Area	Result
ASTM D2859-16 Pill Flammability	1	3.0"	Pass
	2	3.0"	Pass
	3	3.0"	Pass
	4	3.0"	Pass
	5	+ 3.0"	Pass
	6	+ 3.0"	Pass
	7	3.0"	Pass
	8	3.0"	Pass

Test Summary	
8 out of 8 Pass	Passes, U.S. CPSC 16CFR 1630 (FF1-70)

**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 STC (Synthetic Turf Council).



**Testing Services (TSI) LLC**  
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