


## TEST SUMMARY

**CLIENT:**

 THE ULTIMATE SURFACE EXPERIENCE	Report Number:	79467R
	Lab Test Number:	2773-6064, 3142-1375, 3170-2453, 3188-3196
	Testing Completion Dates:	1/17/2016, 9/25/2019, 1/23/2020, 3/30/2020
	Report Date:	3/30/2020
	Page:	1 of 2
	Requested by:	Jason Smollett

**TEST MATERIAL:**

Material Type:	Synthetic Turf with attached Foam Pad			Dates Received:	12/2016 thatch, 9/2019 Slit Film Fibers; 1/10/2020 & 3/19/2020 Turf		
Material Condition:	EXCELLENT:	XXX	GOOD:	POOR:	REJECTED:		
Product ID:	FIT						
Infill System:	None						

**TESTING METHODS REQUESTED:**

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
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 Strength of Pile Yarn Floorcoverings
Standard:	ASTM D5034	Test Method:	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics
Standard:	ASTM D2859	Test Method:	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
Standard:	ASTM F1015	Test Method:	Standard Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces
Standard:	ASTM D7138	Test Method:	Standard Test Method for Determination of Melting Temperatures of Synthetic Fibers
Standard:	ASTM D1907	Test Method:	Standard Test Method for Liner Density of Yarn by the Skein Method
Standard:	ASTM D3218	Test Method:	Standard Test Method for Specification of Polyolefin Monofilaments
Standard:	ASTM D2256	Test Method:	Standard Test Method for Tensile Properties of Yarns by the Single Strand Method

**SAMPLING PLAN:**


<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>
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**DEVIATION FROM TEST METHOD:**

State reason for any Deviation from, Additions to, or Exclusions From Test Method. None
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## TEST SUMMARY

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 <b>FieldTurf</b> A Tarkett Sports Company		<b>Report Number:</b>	79467R	
		<b>Lab Test Number:</b>	2773-6064, 3142-1375, 3170-2453, 3188-3196	
		<b>Testing Completion Dates:</b>	1/17/2016, 9/25/2019, 1/23/2020, 3/30/2020	
		<b>Report Date:</b>	3/30/2020	
		<b>Page:</b>	2 of 2	
		<b>Requested by:</b>	Jason Smollett	

**TEST MATERIAL:**

<b>Material Type:</b>	Synthetic Turf with attached Foam Pad			<b>Dates Received:</b>	12/2016 thatch, 9/2019 Slit Film Fibers; 1/10/2020 & 3/19/2020 Turf		
<b>Material Condition:</b>	<b>EXCELLENT:</b>	<b>XXX</b>	<b>GOOD:</b>	<b>POOR:</b>	<b>REJECTED:</b>		
<b>Product ID:</b>	FIT						
<b>Infill System:</b>	None						

**TEST DATA:**

Construction	Test Method	Test Description	Test Result	
	ASTM D5848-10e1	Total Product Weight	131.95 oz/yd <sup>2</sup>	
	ASTM D5848-10e1	Pile Yarn Weight	40.71 oz/yd <sup>2</sup>	
	ASTM D5848-10e1	Primary Backing Weight	8.12 oz/yd <sup>2</sup>	
	ASTM D5848-10e1	Secondary Backing Weight	23.41 oz/yd <sup>2</sup>	
	ASTM D5848-10e1	Attached Foam Pad	59.71 oz/yd <sup>2</sup>	
	ASTM D5823-19	Average Pile Height	0.75"	
	ASTM D5793-18	Stitch Count & Gauge	4.0 Stitches per inch	3/16" Gauge
	ASTM D1335-17e1	Average Tuft Bind Strength	9.2 lbs/force	
	ASTM D5034-09(2017)	Average Grab Tear-Length, MD	523 lbs/force	
ASTM D5034-09(2017)	Average Grab Tear-Width, CMD	393 lbs/force		

Performance	Test Method	Test Description	Test Result	
	ASTM D2859-16	Pill Flammability	8 out of 8 Pass	Meets 16CFR 1630 (FF1-70)
	ASTM F1015-03(2017)	Relative Abrasiveness	35	

Yarn	Test Method	Test Description	Test Result	
			Slit Film	Thatch/Textured
	ASTM D7138-16	Melt Point Fiber ID	119°C / Polyethylene	122°C / Polyethylene
	ASTM D1907/D1907M-12(2018)	Denier / Skein	10,806	5,131
	ASTM D3218-07(2018)	Thickness	130 microns	129 microns
ASTM D2256/D2256M-10(2015)	Tensile Strength	25.6 lbs/force	19.9 lbs/force	
	Elongation and Tenacity	62.1 % / 1.075	44.8 % / 1.761	

*Slit Film fiber testing completed on lab# 3142-1375 dated 9/25/2019. Thatch/textured fiber testing completed on lab# 2773-6064 dated 1/17/2016. Construction and Performance testing completed on lab # 3170-2453 dated 1/23/2020 and lab # 3188-3196 dated 3/30/2020*

**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 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

OUR LETTERS AND REPORTS APPLY ONLY TO THE SAMPLE TESTED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. THESE LETTERS AND REPORTS ARE FOR THE USE ONLY OF THE CLIENT TO WHOM THEY ARE ADDRESSED AND THEIR COMMUNICATION TO ANY OTHERS OR THE USE OF THE NAME TESTING SERVICES, INC. MUST RECEIVE OUR PRIOR WRITTEN APPROVAL. OUR REPORTS, LETTERS, NAME, SEALS, OR INSIGNIA ARE NOT UNDER ANY CIRCUMSTANCES TO BE USED IN ADVERTISING TO THE GENERAL PUBLIC.

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