



**CLIENT:**

Company:	Global Syn-Turf
Address:	5960 Inglewood Dr Suite 150
	Pleasanton, CA 94588

**TEST MATERIAL:**

Date Material Received:	June 5, 2023
Material Type:	Synthetic Turf
Material Condition:	Excellent, New
Turf Identification:	Super Scape 50
Infill 1:	1.5 lbs/ft <sup>2</sup> Silica Sand
Pad System:	

**TESTING METHODS REQUESTED:**

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
Standard:	ASTM D5034	Test Method:	Standard Test Method for Breaking Strength of Textile Fabrics (Grab)

**SAMPLING PLAN:**

Sampling Date:	6/5/23
<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 METHODS:**

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

**TEST SCOPE:**

*This test method covers the grab and modified grab test procedures for determining the breaking strength and elongation of textile fabrics. Five specimens, 4" X 6", in both the length and width direction of manufacture were mounted into the clamps of a constant rate of extension Instron Tensile Tester, and a force applied until the specimen broke. The values in lbs/force at rupture was recorded and the five data points averaged.*

**TEST SUMMARY:**

TEST METHOD	TEST DESCRIPTION	TEST RESULT
ASTM D5034-21	Average Grab Tear Strength-Length	252 lbs/force
ASTM D5034-21	Average Grab Tear Strength-Width	269 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 an Organizational Member of ASTM (American Society for Testing and Materials). TSI is a certified independent testing laboratory by the STC (Synthetic Turf Council).



100108-0

