

# LABORATORY TEST REPORT

Report # Test Number: **Report Date:** 

94366C 3442-8254 July 9, 2024

ASTM D5034 Grab Break (Tear) Strength

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

TEST MATERIAL:				
Date Material Received:	June 17, 2024			
Material Type:	Synthetic Turf			
Material Condition:	Excellent, New			
Turf Identification:	Supreme 60			
Infill 1:	1.5 lbs/ft <sup>2</sup> Silica Sand			

## **TESTING METHODS REQUESTED:**

Testing Services Inc. was instructed by the client to test for the following						
Standard:	ASTM D5034	Test Method:	Test Method: Standard Test Method for Breaking Strength of Textile Fabrics (Grab)			
SAMPLING PLAN:						
Sampling Da	te:	6/17/2024				
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 humidly.						
• S	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 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	268 lbs/force
ASTM D5034-21	Average Grab Tear Strength-Width	314 lbs/force

#### Notes:

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:

TSi Accreditation:

## Erle Miles, III, Lab Director Testing Services (TSI) LLC

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).





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