

LABORATORY TEST REPORT

Report # st Number: **Report Date:**

913630 3380-4463 July 21, 2023

ASTM D5034 Grab Break (Tear) Strength

www.testingservices.us • (706)226-1400

office@testingservices.us

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:	Celebration	
Infill 1:	1.5 lbs/ft ² Silica Sand	
Pad System:		

TESTING METHODS REQUESTED:

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

SAMPLING PLAN:

Sampling Date: 6/5/23

- 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.
- 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	245 lbs/force
ASTM D5034-21	Average Grab Tear Strength-Width	312 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:

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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