

DATE: 04-24-2020

TEST NUMBER: 0404396

CLIENT Synthetic Turf Resources

TEST CONDUCTED ASTM F1551 Water Permeability of Synthetic Turf Systems and Permeable Bases, DIN 18-035



PRODUCT NAME PuppyPlay

DESCRIPTION OF PRODUCT TESTED Turf

**GENERAL PRINCIPLE**

The test procedure is used to determine the flow rate of rainfall through a material. A volume of water is poured through the surface and timed. Calculations are then made on the inches of water that would pass through the substrate per hour. The sample was tested as received.

**TEST RESULTS**

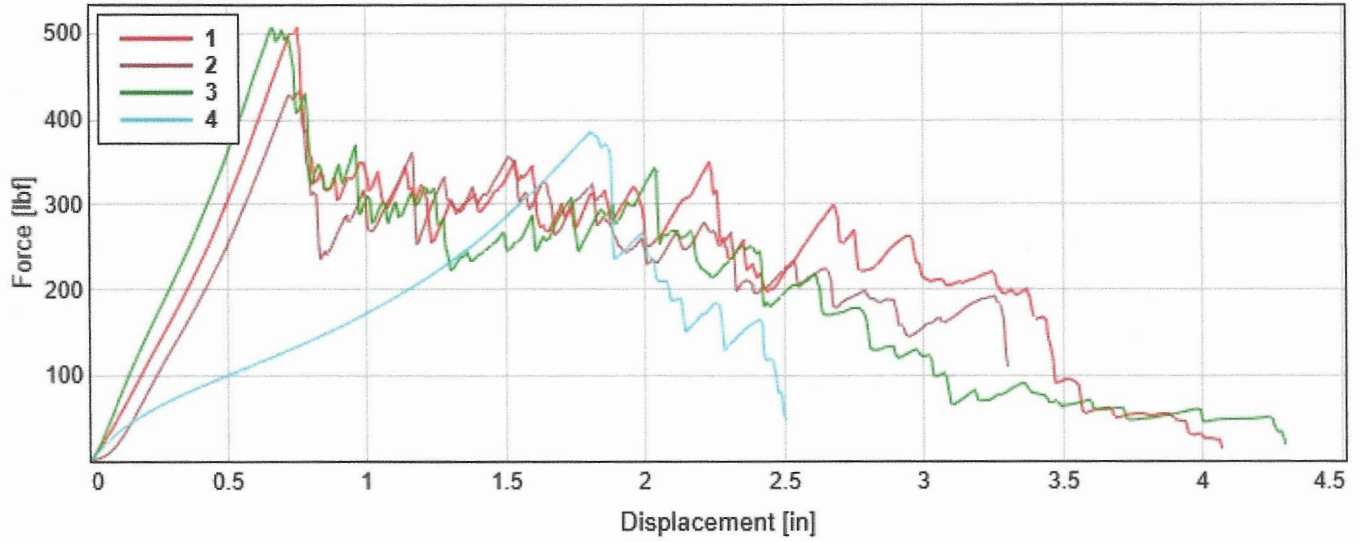
IDENTIFICATION	RESULTS
PuppyPlay	5,484.50 Inches/Hour
	1.13 Sec/6" Zone
	1,787.61 Gal/min/yd <sup>2</sup>

APPROVED BY: *Larry Atkinson*

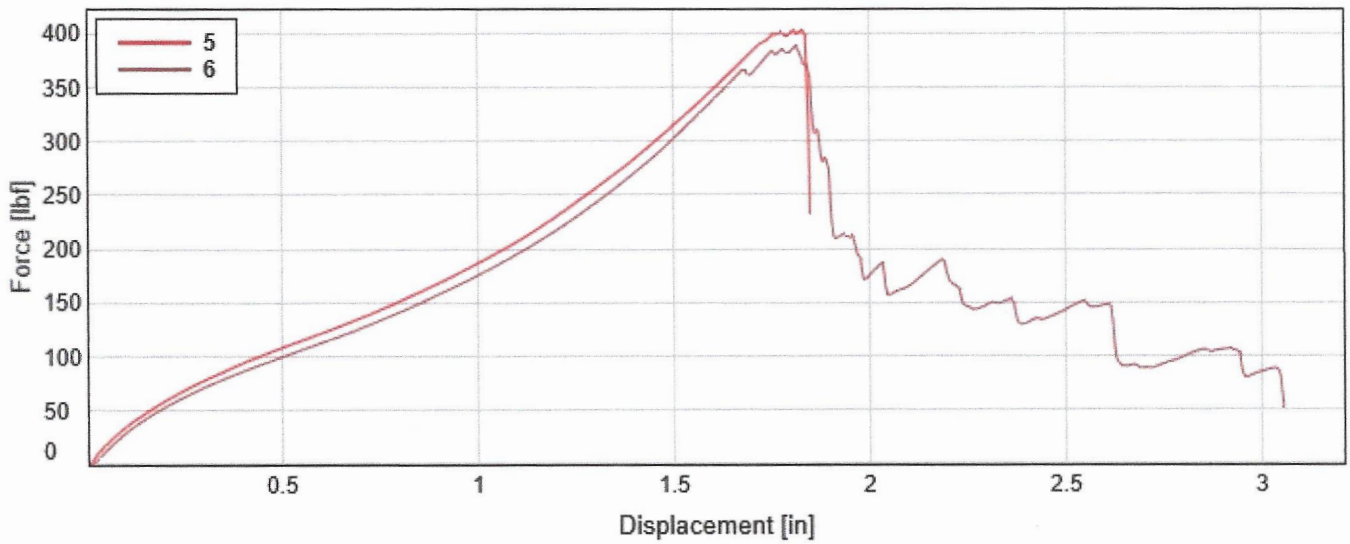
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GRAB STRENGTH

Specimen 1 to 4



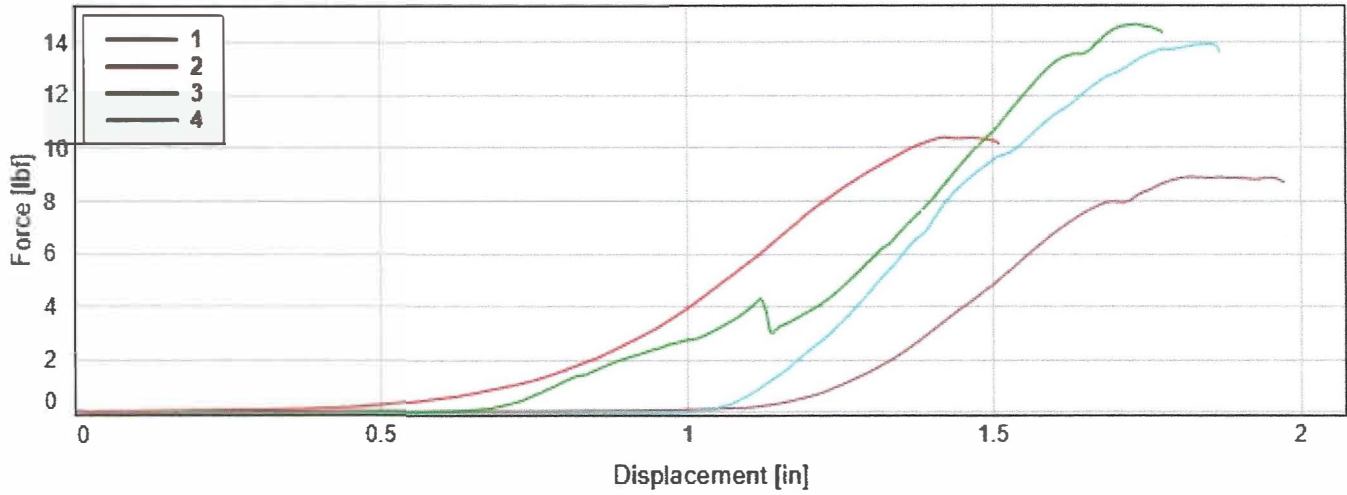
Specimen 5 to 6



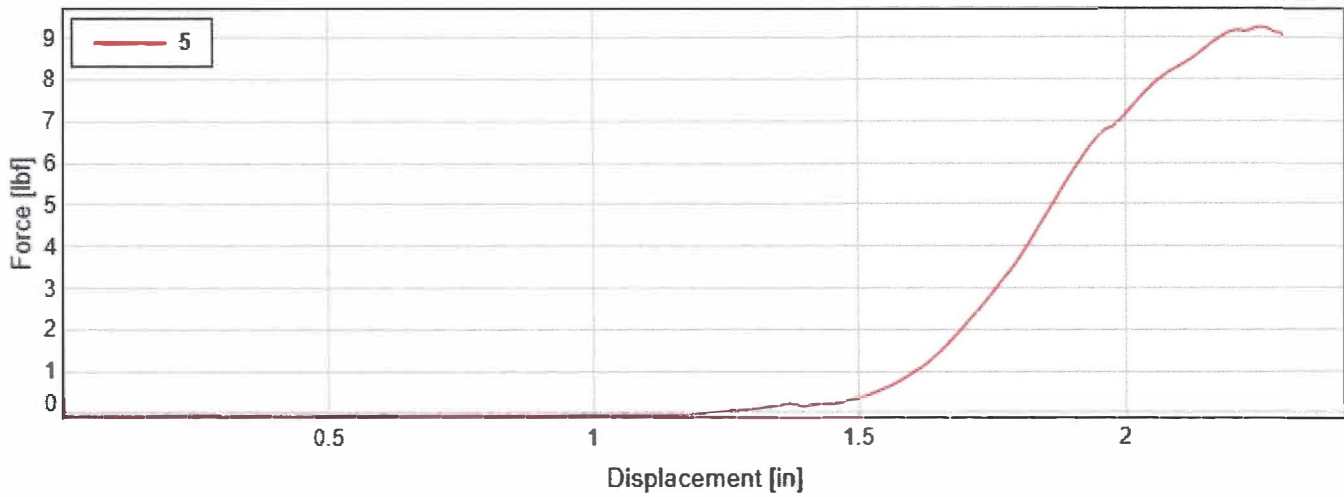
	DIRECTION	Maximum Force [lbf]	Tensile stress at Maximum Force [psi]	Elongation [%]
1	WARP	505.51	252.76	25.08
2	WARP	434.92	217.46	25.48
3	WARP	508.96	254.48	22.28
4	WEFT	385.38	192.69	60.15
5	WEFT	403.41	201.71	60.95

	DIRECTION	Maximum Force [lbf]	Tensile stress at Maximum Force [psi]	Elongation [%]
6	WEFT	388.34	194.17	60.41

Specimen 1 to 4



Specimen 5 to 5



	Maximum Force [lbf]
1	10.41
2	8.91
3	14.71
4	13.97
5	9.25
Mean	11.45

*Avg 11.45*