

## TEST REPORT

**CLIENT:**

Company:	Target Technologies International Inc.	Report Number:	73695
Address:	8535 Eastlake Drive	Lab Test Number:	3004-6014
	Burnaby, BC Canada V5A4T7	Test Completion Date:	4/17/18
		Report Date:	4/30/2018
Requested By:	John Giraud	Page:	1 of 1

**TEST MATERIAL:**

Material Type:	EPDM Granules (Infill)	Date Received:	4/6/2018
Material Condition:	EXCELLENT:    XXX    GOOD:    POOR:    REJECTED:		
Material ID:	TTII PLAY-SAFE 65 BLACK EPDM 10-18 Gradation		

**TESTING METHODS REQUESTED:**

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
Standard:	ASTM E648, NFPA 253, FTM Standard 372	Test Method:	Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source

**SAMPLING PLAN:**

Sampling Date:	4/11/2018
<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 METHOD:**

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

**TEST SCOPE:**

This test method measures the critical radiant flux of horizontally mounted floor-covering systems exposed to a flaming ignition source positioned on a graded radiant heat energy environment within an enclosed chamber. The results are designed to provide a basis for estimating one aspect of fire behavior of a flooring system.

**TEST SUMMARY:**

TEST METHOD	TEST DESCRIPTION	TEST RESULT			
		Burn Distance	Time to Flame Out	Critical Radiant Flux	
ASTM E648-17e1	Critical Radiant Flux	Specimen #1	61.0 cm	29:59 min	0.24 W/cm <sup>2</sup>
		Specimen #2	55.2 cm	33:30 min	0.29 W/cm <sup>2</sup>
		Specimen #3	58.8 cm	35:58 min	0.26 W/cm <sup>2</sup>
		Average		0.26 W/cm <sup>2</sup>	
		NFPA Classification	Class II		
	STDEV	0.02			
	COF of Variation	9.52 %			

*\*Infill granules poured into metal tray at a 3" Depth*

Mounting Board: N/A (Metal Tray)  
Conditioning: 96 hours @ 70°F 50% RH

Adhesive: N/A  
Calibration Curve: 360R

Trowel: N/A  
Radiometer #: 5356

**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 Inc.

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



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