


LABORATORY TESTING THERMAL STABILITY



Project Information

Project Name	TTII PLAY-SAFE 65 EPDM INFILL Thermal Stability Behavior	
Client Information	Target Technologies International Inc. 8535 Eastlake Drive Burnaby, BC V5A 4T7	
Date Performed	January 21, 2016	
Report Status	Final	
Job No.	90709/794	
Prepared by	<i>Kieran O'Donnell</i> Field Operation Manager	
Checked by	<i>Jeffrey Gentile</i> Laboratory Director	

Notes:

1. This report has been prepared by Sports Labs USA with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.
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Summary

Sports Labs USA was commissioned to perform infill thermal stability behavior testing. The purpose of this testing was to determine at which temperature the material will start to melt and agglomerate. Samples were received at the lab on January 13th, 2016.

Procedure

The equipment used was a Quincy 20AF Hydraulic forced air gravity convection oven to heat the material and an Omega HH147U Data logger to track temperature. The oven heat was increased by 5 °C at a time and stabilized for 15 minutes at each interval until changes caused by the effect of the heat was observed.

INFORMATION, ADVICE & KNOW-HOW: FROM THE SYNTHETIC SPORTS SURFACE EXPERTS



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Results

Temp °C	Temp °F	Remark
70	158	No agglomeration noticed
75	167	No agglomeration noticed
80	176	No agglomeration noticed
85	185	No agglomeration noticed
90	194	No agglomeration noticed
95	203	No agglomeration noticed
100	212	No agglomeration noticed
105	221	No agglomeration noticed
110	230	No agglomeration noticed
115	239	No agglomeration noticed
120	248	No agglomeration noticed
125	257	No agglomeration noticed
130	266	No agglomeration noticed
135	275	No agglomeration noticed
140	284	No agglomeration noticed
145	293	No agglomeration noticed
150	302	No agglomeration noticed
155	311	No agglomeration noticed
160	320	No agglomeration noticed
165	329	No agglomeration noticed
170	338	No agglomeration noticed
175	347	No agglomeration noticed, lightly smoky
180	356	No agglomeration noticed, moderate smoke
185	365	No agglomeration noticed, moderate smoke

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Sample Photos



Pre testing



Post testing