



TEST REPORT

Sundance Supply, LLC
888-775-6176

<http://www.sundancesupply.com>

CLIENT: Sabic Innovative Plastics US LLC
1 Lexan Lane
Mount Vernon, IL 47620

Attn: Constantin Donea

Test Report No:	654:028183-5	Date:	November 6, 2009
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SUBJECT: Testing to ASTM E-84

SAMPLE ID: Sample identified as "25mm" was received from the client on 9/24/09 in good condition. The sample was described by the manufacturer of containing the following items:

- **Sample: Lexan Thermoclear 25mm Sheet, commercialized under the grade names LTP5X25, 2XP5X25, LPD5X25, LED5X25, LXE5X25, LXD5X25**

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-08a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The test procedure is equivalent to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

PREPARATION: The sample material was submitted in three pieces, 22" wide by 72" long.

TEST DATE: 10/8/09

RESULTS: Results can be found on the following pages and apply only to the sample tested.

CERTIFICATION: The test reported was conducted by an SGS U.S. Testing Company, Inc. approved laboratory.

CLASSIFICATION: Class A

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**

KSM


Greg Ertel
Engineering Technician


For: J. Brian McDonald
Fire Technology Department Manager



RESULTS:

SAMPLE: 25mm

TEST DATE: 10/8/09

DATA:

<u>Ignition (minutes: seconds)</u>	01:07
<u>Flame Front (feet)</u>	1.0
<u>Time to Maximum Spread (minutes: seconds)</u>	10:00
<u>Flame Spread</u>	5
<u>Smoke Developed</u>	35

<u>NFPA Class</u>	<u>IBC Class</u>	<u>Flame Spread</u>	<u>Smoke Developed</u>
A	A	0 through 25	≤ 450
B	B	26 through 75	≤ 450
C	C	76 through 200	≤ 450

Total Test Time, (hr:min:sec): 0:10:00

Building Codes Cited:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803

Graphical Data:

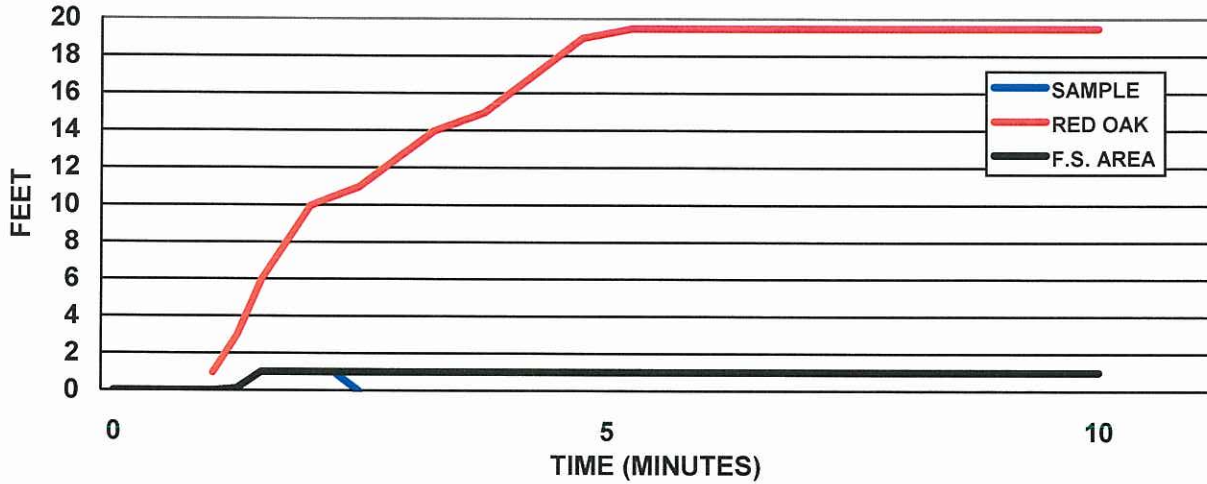


FIGURE 1. Flame Spread

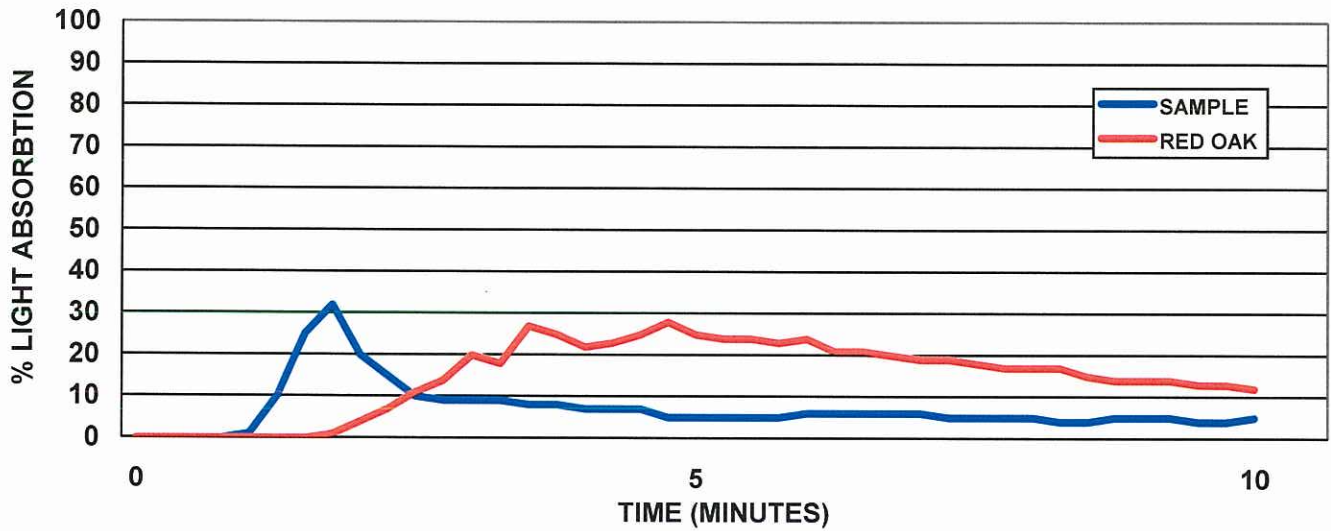


FIGURE 2. Smoke Developed

End of Report