QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

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CLIENT: SABIC INNOVATIVE PLASTICS
1 Structured Products Drive
Long Sault, Ontario K0C 1P0
Herb Hummel

Test Report No: RJ4335-3	Date: November 6, 2015

SAMPLE ID: The following test material was identified as 8 mm triple wall (TW) multiwall polycarbonate sheet. The various old and new brand names are listed on page 4.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on October 21, 2015.

TESTING PERIOD: November 2, 2015.

AUTHORIZATION: Testing authorized by Herb Hummel. Proposal Number DM-2015-082802 dated August 28, 2015.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-15a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:

Flame Spread	Smoke Developed
5	55

Detailed test results are presented in the subsequent pages of this report

Prepared By

Brian Ortega
Test Technician

Signed for and on behalf of QAI Laboratories, Inc.

Greg Banasky
Senior Technician

PREPARATION: The sample material was submitted in three pieces 24" wide by 8' feet long conforming to test chamber dimensions. The sample was supported during testing by 2" hexagonal mesh poultry netting running the length of the test chamber and 1/4" round metal rods placed at two foot intervals across the width of the test chamber

CONDITIONING: The test specimen was conditioned to a constant weight at a temperature of 73.4 ± 5º F (23 ± 2.8º C) and a relative humidity of 50 ± 5 %.

CEMENT BOARD PLACEMENT: The 1/4" cement boards were placed between the test specimen and the chamber lid...

E 84 TEST DATA SHEET:

CLIENT: Sabic Innovative Plastics. **DATE:** 11/02/15

SAMPLE: 8 mm triple wall (TW) multiwall polycarbonate sheet

FLAME SPREAD:

IGNITION: 1 minute, 1 second.

FLAME FRONT: 1 foot maximum.

TIME TO MAXIMUM SPREAD: 2 minutes, 20 seconds.

TEST DURATION: 10 minutes.

CALCULATION: 8.33 X .515 =4.29

SUMMARY: FLAME SPREAD: 5 **SMOKE DEVELOPED:** 55 (56.03)

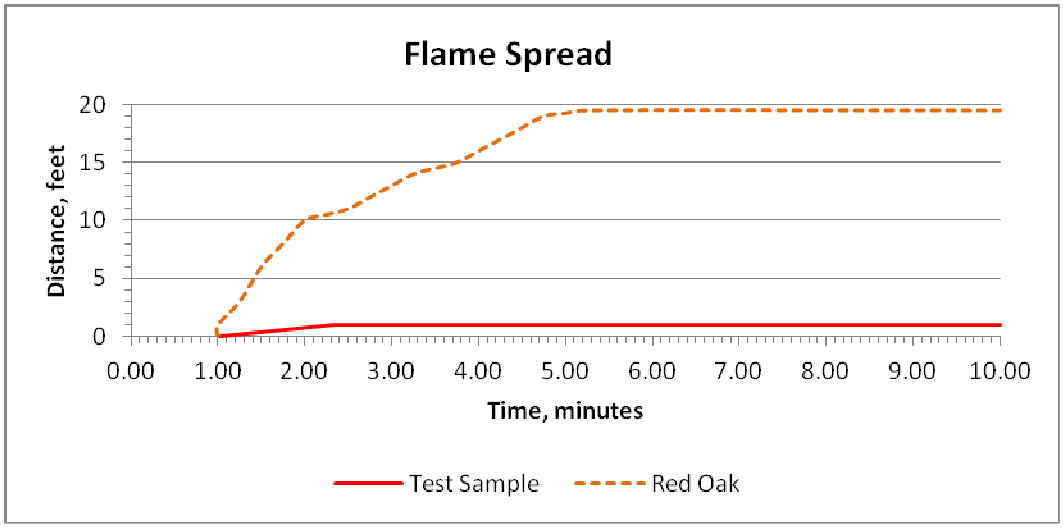
SUMMARY OF ASTM E84 RESULTS: Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5. Smoke Density values over 200 are rounded to the nearest figure divisible by 50.

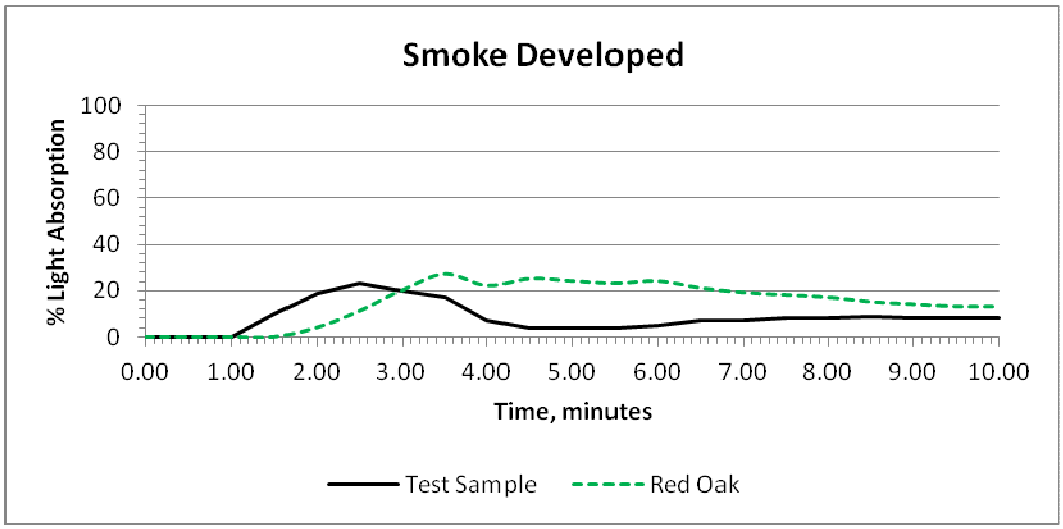
In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

NFPA CLASS	IBC CLASS	FLAME SPREAD	SMOKE DEVELOPED
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

BUILDING CODES CITED:

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





Old and New Brand Names

Product 3: 8 mm triple wall (TW) multiwall polycarbonate sheet

Old	New
LTT3T8	TC2UV83T17
LTC3T8	TC1UV83T17
LD30817	TCDG83T17
LT1538	T152UV83T15
LC1538	T151UV83T15
LTD3T8	T15DG83T17
VT30817	VC2UV83T17
VC30817	VC1UV83T17
VD30817	VCDG83T17
VT1538	V152UV83V15
VC1538	V151UV83V15
VD1538	V15DG83T17
VUH0817	VCUF82R17

End of Report