

CLIENT:

Polygal Inc.
PO Box 410592
Charlotte, NC 28241

Test Report No: TJ0498-2

Date: April 11, 2012

SAMPLE ID: The test samples are identified as Titan Sky

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 March 28, 2012

TESTING PERIOD: April 9, 2012

AUTHORIZATION: Signed Work Order by Mark Dailey of Polygal Inc.

TEST PROCEDURE: The submitted sample was tested for Rate of Burning and/or extent of time of burning of plastics in a horizontal position in accordance to procedures outlined in ASTM D 635-06.

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

CLASSIFICATION: The sample received a CC1 classification in accordance with The International Building Code – 2006.

Prepared By

**Signed for and on behalf of
QAI Laboratories, Inc.**



Gregory Ertel
Fire Test Technician



J. Brian McDonald
Operations Manager



SAMPLE: Titan Sky **TEST DATE:** 4/9/12
 Conditioning Treatment: 70 °F
 Temperature and Humidity at time of Testing: 68.0°F

Equipment Number: 061-10
 Relative Humidity: 50% for 48 hours
 Relative Humidity: 49%

Data:

<u>Specimen Number</u>	<u>Dimensions (mm)</u>	<u>Burning Time (sec)</u>	<u>Burned Length (mm)</u>	<u>Burn Rate (mm/min)</u>
1	16 x 16 x 125	0	0	0*
2	16 x 16 x 125	0	0	0*
3	16 x 16 x 125	0	0	0*
4	16 x 16 x 125	0	0	0*
5	16 x 16 x 125	0	0	0*
6	16 x 16 x 125	0	0	0*
7	16 x 16 x 125	0	0	0*
8	16 x 16 x 125	0	0	0*
9	16 x 16 x 125	0	0	0*
10	16 x 16 x 125	0	0	0*
AVERAGE	16 x 16 x 125	0	0	0*

* - Specimen ceases to burn before reaching the 25mm gauge mark
 ** - Specimen ceased to burn before reaching the 100mm gauge mark

Observations: Charring of the sample, no visible flaming combustion

NOTES:

Class CC1: "Plastic materials that have a burning extent of 1 inch (25.4mm) or less where tested at a normal thickness of 0.060 inch (1.5mm), or in the thickness intended for use, in accordance with ASTM D 635"

Class CC2: "Plastic materials that have a burning rate of 2.5 inches per minute (1.06 mm/sec) or less where tested at a normal thickness of 0.060 inch (1.5mm), or in the thickness intended for use, in accordance with ASTM D 635"

CBC: Cannot Be Classified. This description is for any test results that do not meet CC1 or CC2 criteria.

The CC rating is in accordance with the International Building Code-2006.

End of Report

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