

CLIENT:

Polygal USA Inc.
PO Box 410592
Charlotte, NC 28241

Test Report No: TJ0562-4

Date: May 22, 2012

SAMPLE ID: The test samples are identified as 6mm SG

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 May 1, 2012

TESTING PERIOD: May 16, 2012

AUTHORIZATION: Signed Work Order by Mark Dailey of Polygal USA 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 CC2 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: 6mm SG **TEST DATE: May 16, 2012**
Conditioning Treatment: 69.8 – 77.0 °F
Temperature and Humidity at time of Testing: 70.0°F

Equipment Number: 061-10
Relative Humidity: 50 ± 5% for 48 hours
Relative Humidity: 50.0%

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	6 x 125 x 13	0	0	0
2	6 x 125 x 13	0	0	0
3	6 x 125 x 13	0	0	0
4	6 x 125 x 13	193	75	23.31
5	6 x 125 x 13	17	6.65	23.47
6	6 x 125 x 13	108	26.42	14.67
7	6 x 125 x 13	0	0	0
8	6 x 125 x 13	0	0	0
9	6 x 125 x 13	9	9.37	62.46
10	6 x 125 x 13	0	0	0
AVERAGE	6 x 125 x 13	32.7	11.74	12.39

- * - 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