

CLIENT: POLYGAL INC
1100 Bond St.
Charlotte, NC 28208

Test Report No: TJ1980-8

Date: April 4, 2014

SAMPLE ID: The Client submitted and identified the following test material as “**Super Thermogal 32mm**”.

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 facilities on March 6, 2014

TESTING PERIOD: April 4, 2014

AUTHORIZATION: Proposal SP-2014-030305 R1

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 635-10.

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

CLASSIFICATION: The sample received a **CC-1** classification in accordance with The International Building Code – 2006.

NOTE: *This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire hazards or fire risk assessment of materials, products, or assemblies under actual fire conditions.*

Prepared By

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



David Bauchmoyer
Fire Test Technician



J. Brian McDonald
Operations Manager



SAMPLE: Super Thermogal 32mm
Equipment Number: 061-10

TEST DATE: 4/04/14

Conditioning Treatment: 70 °F
 Temperature and Humidity at time of Testing: 70.0°F

Relative Humidity: 50 ± 5% for 48 hours
 Relative Humidity: 50%

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	130 x 8 x 12	0*	0*	0*
2	130 x 8 x 12	0*	0*	0*
3	130 x 8 x 12	0*	0*	0*
4	130 x 8 x 12	0*	0*	0*
5	130 x 8 x 12	0*	0*	0*
6	130 x 8 x 12	0*	0*	0*
7	130 x 8 x 12	0*	0*	0*
8	130 x 8 x 12	0*	0*	0*
9	130 x 8 x 12	0*	0*	0*
10	130 x 8 x 12	0*	0*	0*
AVERAGE	130 x 8 x 12	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, light smoke

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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