



P.O. Box 2400
 Cookeville, Tennessee 38502-2400
 Phone 931-372-8871
 Fax 931-525-3896

Thermal Resistance Test Report

Date of Test: February 5, 2002

Date of Manufacture: N/A

Fox Number: 1885

Specimen Number: 1175020201-2

R&D Test Number: RD021134TR

Description of test specimen: Bonded Logic Product; R-13 Batt; 3.5"

Report prepared for: Bonded Logic / Tod Kean

The results in this report were obtained with a heat-flow meter built and operated in accordance with ASTM C 518. The test results in a value for the apparent thermal conductivity of the test specimen, k , in units W/m.K. The thermal resistivity, R-value per inch, in U.S. customary units is the reciprocal of the product of 6.933 and k .

Heat flow meter:	<u>24 by 24</u>	inches x inches
Specimen thickness:	<u>3.500</u>	inches
Specimen density:	<u>1.24</u>	lb/ft ³
Cold plate temperature:	<u>52.57</u>	deg F
Hot plate temperature :	<u>97.59</u>	deg F
Average specimen temperature:	<u>75.08</u>	deg F
Apparent thermal conductivity:	<u>0.2916</u>	Btu.in/ft ² .hr.°F
Thermal resistivity (R-per-inch):	<u>3.429</u>	ft ² .hr.°F/Btu.in
Thermal resistance of specimen:	<u>12.0</u>	ft ² .hr.°F/Btu

Notes: Calibration factor used for manual calculation? NA EMF NA
 Edge guards or cabinet temperature satisfactory? Yes
 Excessive moisture on cold plate? No
 Length of time for test (hours)? 19.2

Ronald S. Swain
 Reviewed By:

02-12-02
 Date:



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Report of Thermal Test for R Value

Date of Test: July 27, 2000

Test Number: 1575

Date of Manufacture: NA

R&D Number: 1175000725-1

Description of test specimen: R-19; Ultra Touch Blue Batt; 5.5 in thick

Report prepared for: Bonded Logic - Phil Cook

The results in this report were obtained with a heat-flow meter built and operated in accordance with ASTM C 518. The test results in a value for the apparent thermal conductivity of the test specimen, k , in units $W/m.K$. The thermal resistivity, R-value per inch, in U.S. customary units is the reciprocal of the product of 6.933 and k .

Heat flow meter:	<u>24 by 24</u>	inches x inches
Specimen thickness:	<u>5.500</u>	inches
Specimen density:	<u>1.20</u>	lb/ft ³
Cold plate temperature:	<u>52.56</u>	deg F
Hot plate temperature :	<u>97.59</u>	deg F
Average specimen temperature:	<u>75.08</u>	deg F
Apparent thermal conductivity:	<u>0.2939</u>	Btu.in/ft ² .hr.°F
Thermal resistivity (R-per-inch):	<u>3.403</u>	ft ² .hr.°F/Btu.in
Thermal resistance of specimen:	<u>18.7</u>	ft ² .hr.°F/Btu

Notes: Calibration factor used for manual calculation? NA EMF NA

Edge guards or cabinet temperature satisfactory? Yes

Excessive moisture on cold plate? No

Length of time for test (hours)? 26

Ronald S. Spivey

Reviewed By:

7-28-00
Date:

This test conforms to ASTM Test Method C 518 except for the report requirements. The report includes summary data but a full complement of data is available upon request.