

NSTDA Characterization and Testing Service Center

National Science and Technology Development Agency (NSTDA)

111 Thailand Science Park (TSP), Phahonyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120, Thailand Tel: +66 2117 6850 Fax: +66 2117 6851

Test Report

Report No.:

61-C246-3255

Customer:

SAMRUAY ENGINEERING CO., LTD.

48/5 MOO. 9, SOI NUALTHONG, SETTHAKIJ1 Rd., SUANLUANG, KRATHUMBAN,

SAMUTSAKORN 74110

Date of Issue:

09th October 2018

Date of Receipt:

26th September 2018

Date of Analysis:

03rd October - 04th October 2018

Total Page:

7 pages

Test Method:

Heat Distortion Temperature (HDT)

Test Result:

Please refer to next page.

Tested by:

Approved by:

Tinnaphat.

(Miss. Jinnaphat Sommanat)

Laboratory Officer

(Mrs. Pimpun Suknet)

Laboratory Supervisor



Remarks:

NSTDA Characterization and Testing Service Center

- 1. The validity of the test results is strictly limited to the specific samples and the corresponding testing conditions and devices used: no further extrapolation or interpolation of the results is to be inferred.
- 2. Copyright in text of this result/test report with the NSTDA Characterization and Testing Service Center. Copies either in full, or of extracts, made in accordance with instruction may not be made without the permission of the NSTDA Characterization and Testing Service Center.
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- 5. Having any questions about this report, please contact us within 7 working days after the report was received.



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Test Result

Report No.:

61-C246-3255

Sample Name:

TOTO DUCT

Sample No.:

1800254, 1800255, 1800256,

1800257, 1800258

Sample Identification:

Test Method:

Heat Distortion Temperature (HDT)

Test standard:

Weight Tested:

1,820 kPa (66 Psi)

Heating Rate:

120°C/h.

Preparation:

The customer is preparing the tested samples.

Table 3 The HDT data of TOTO DUCT (1, 2, 3, 4 and 5) on the condition of stress 1,820 kPa (66 Psi).

No.	Sample No.	Edge-wise (mm.)	Width (mm.)	Softening Temperature
				(°C)
1	1800254	1.46	15.27	65.9
2	1800255	1.46	15.04	66.2
3	1800256	1.58	16.17	64.3
4	1800257	1.66	16.87	64.7
5	1800258	1.54	14.78	65.7
Average				65.4
Standard Deviation (SD)				0.82



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Test Result

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Sample Name:

TOTO DUCT

Sample No.:

1800254, 1800255, 1800256

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Heat Distortion Temperature (HDT)

Test standard:

Weight Tested:

1,820 kPa (66 Psi)

Heating Rate:

120°C/h.

Preparation:

The customer is preparing the tested samples.

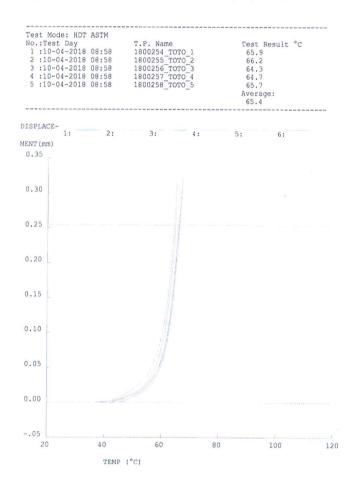


Figure 3 The HDT plots of TOTO DUCT (1, 2, 3, 4 and 5) on the temperature 35°C to 250°C of stress 1,820 kPa (66 Psi).

..... End of Report......