

EXAMINATION REPORT

Determination of influence of heating at 110°C

PB pipes for the transport of district heating water

REPORT NUMBER

LC 11080

AUTHORISATION

H. Pauw, Co-ordinator Lab C



DEPARTMENT

Lab C

Kiwa Nederland B.V.

Lab C
Wilmsdorf 50
NL 7327 AC Apeldoorn
Netherlands
Telephone +31 55 5393393
Internet www.1kiwa.com

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Determination of influence of heating at 110°C

PB pipes for the transport of district heating water

Manufacturer: Thermafex Isolatie B.V.

Place of production: Waalwijk

Certificate number: K64328 DVGW

According to standard: DVGW W544

1. Order

By order of Kiwa Nederland B.V., the samples mentioned below were tested by Lab C for determination of influence of heating at 110°C according to DVGW W544.

2. Principle

The test pieces are placed into an oven for a certain amount of time. After this the test pieces are judged on changes in the material.

3. General

The samples were received on 29-09-2014 and registered with number LC 11080. The test was started on 30-09-2014 and was carried out by Mr L.M. Bloeming.

4. Sample description

Date of sampling : 12-09-2014
Sampled by : Mr P.G.M. Engelberts
Number/type of samples : 1 piece of PB pipe
Compound : PB4237 Lyondell Basell
Batch : NG1824BK6
Dimensions : 25 mm
Marking : 120-1783 Classe 2 (70C-10bars) et Classe 5 (80-6bars)
ATEC 14/12-1783/03262557 PR14-0818 Thermaflex
Flexalen PB 25x2,3 EN ISO 15876 Class 5:8 bar
KIWA BRL-K17401 Class 2:10 bar (1)
10 bar-70C 50 Jahre 0000001298 15:41:35
Date of production : 26-03-2014

5. Test conditions and method

In accordance with DIN 16968.

6. Apparatus

An air circulated oven and a scriber.

7. Preservation of samples

In case of failure the samples will be kept for 3 months.

8. Test results

Condition of the test pieces after 2h heating 110°C	requirement	unit	1	2	3
Change of length	< 2,0	%	0,01	0,01	0,02

9. Conclusion

The test pieces meet the requirements for the investigated aspects in accordance with DVGW W 544.