

EXAMINATION REPORT

Determination of influence of heating at 110°C

PB pipes for the transport of district heating water

REPORT NUMBER

LC 10358

AUTHORISATION

H. Pauw, Co-ordinator Lab C



DEPARTMENT

Lab C

Kiwa Nederland B.V.

Lab C
Wilmersdorf 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 25-03-2014 and registered with number LC 10358. The test was started on 02-06-2014 and was carried out by Mr L.M. Bloeming.

4. **Sample description**

Date of sampling	: 18-03-2014
Sampled by	: Mr P.G.M. Engelberts
Number/type of samples	: 1 piece of PB pipe
Compound	: PB 4237
Dimensions	: 50 mm
Marking	: 120-1783 Classe 2 (70C-10bars) et Classe 5 (80-6bars) ATEC 14/12/1783/02112557 PR14-0461 Thermafex Flexalen PB 50x4.6 EN ISO 15876 Class 5 : 8 bar KIWA BRL-K17401 Class 2:10 bar (2)
Date of production	: 11-02-2014
Other	: -

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	%	0,2	0,3	0,2

9. Conclusion

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