



Certificate

KOMO[®]

product certificate



Number	K20016/04	Replaces	K20016/03
Issued	2013-09-01	Dated	2011-08-01
Valid until	Indefinite	Page	1 of 3

PE-RT pipes

Becker Plastics GmbH

STATEMENT BY KIWA

This product certificate is issued on the basis of BRL 5607 "Plastics piping systems of PE-RT intended for heating installations: radiator connections" issued on 1 June 2008 by Kiwa and alteration sheet dated 7 June 2012, in accordance with the Kiwa Regulations for Product Certification.

Kiwa declares that legitimate confidence exists that the by the producer manufactured PE-RT pipes comply with the technical specifications as laid down in this product certificate, provided that PE-RT pipes have been marked with the KOMO[®]-mark in the manner as indicated in this product certificate.

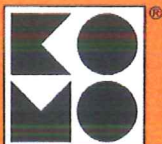
Bouke Meekma
Kiwa

The certificate is listed in the overview on the website of Stichting KOMO: www.komo.nl.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.
This product certificate is only valid in combination with a KOMO certified plastics piping system.

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Evaluated is:
quality system
product
Periodic inspection

PE-RT pipes

PRODUCT SPECIFICATION

Natural colored 3/5 layer PE-RT type 1 pipe according to BRL 5607: Plastics piping systems of PE-RT intended for heating installations: radiator connections. The pipes are also suitable for floorheating according BRL 5602.

The pipe dimensions as indicated in the table below belong to this certificate.

Nominal Outside diameter (mm)	Nominal wall thickness (mm)	Nominal Outside diameter (mm)	Nominal wall thickness (mm)
3 layer pipe PE-RT type 1 Design pressure max. 4 bar		5 layer pipe PE-RT type 1 Design pressure max. 4 bar	
14	2,0	14	2,0
15	1,7		
16	2,0	16	2,0
17	2,0		
18	2,0	18	2,0
20	2,0	20	2,0
25	2,3	25	2,3

MARKING

The products shall be marked with the KOMO[®] mark.

Pipes

The minimum required marking on the pipes shall be:

- KOMO (or KOMO[®] word mark) + class 4 or 5 / 4 bar;
- the manufacturer's name, trade name, system name or certificate number of accompanying technical approval (system)certificate;
- material identification: PE-RT type 1;
- the build up of the pipe; PE-RT/EVOH;
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code.

The realization of the marks is as follows: clearly and indelible at intervals of not more than 2 m.

Fittings

The minimum required marking on the fittings shall be:

- KOMO (if not possible KOMO only on the smallest packaging);
- nominal outside diameter of the corresponding pipe;
- production code.

Location of the marks: on every fitting.

The realization of the marks is as follows: durable and indelible.

The minimum required marking on the smallest packaging unit of the fittings shall be:

- KOMO[®] (or KOMO[®] word mark);
- the manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system)certificate, according the marking of the pipe belonging to the piping system;
- material identification of the fitting body;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm.

Location of the marks: on every package.

The realization of the marks is as follows: clearly and indelible on every packaging.

Protection pipes

The minimum required marking on the protection pipes shall be:

- KOMO (KOMO[®] woordmerk);
- the manufacturer's name, trade name, certificate number of the protection pipe or the certificate number of the belonging technical approval (system) certificate.

The realization of the marks is as follows: clearly and indelible at intervals of not more than 2,5 m.

LOGISTICS

Production en assemblage of the system is laid down in the annex of the certification agreement.



PE-RT pipes

APPLICATION AND USE

The products are intended to be used for piping systems for floor heating with an operating temperature profile according to class 4/ 5 of ISO 10508 and an allowable working pressure of maximum 4 bar.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Becker Plastics GmbH
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.

CONSTRUCTION PRODUCTS REGULATIONS

If a construction product is subject to a European harmonised technical specification, the statements in this KOMO product certificate must not be used as a replacement for the CE marking on such construction product and/or for the associated obligatory Declaration of Performance.