



KOMO®
Product certificate
K43193/04



Issued	2021-05-01	Replaces	K43193/03
Valid until	Indefinite	Dated	2017-05-01
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Flexible corrugated outer casing pipes of HDPE
UPONOR GmbH

STATEMENT BY KIWA

This product certificate is based on BRL 5609 part 2 Pre-insulated flexible plastics piping systems for warm water distribution outside buildings products dated 27 August 2019, issued according to the Kiwa-Regulation for Certification.

The quality system and the product characteristics of this product are checked periodically. Based on this, **Kiwa declares that** there is legitimate confidence that:

Upon delivery, the product supplied by the certificate holder meets the requirements:

- Of the technical specifications laid down in this product certificate,
- The product requirements laid down both in this product certificate and in the Guideline/BRL.

Provided the Flexible corrugated outer casing pipes of HDPE are accompanied by the KOMO® quality mark in the manner set out in this product certificate.

Ron Scheepers
Kiwa

This product certificate is only valid in combination with a KOMO certified plastics piping system.

This product certificate is also included on the KOMO foundation websites: www.komo.nl and www.komo-online.nl.

Users of this product certificate is advised to check whether it is still valid. For this purpose consult the website of Kiwa: www.kiwa.nl.

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Assessed is:
• Quality system
• Product
Periodic control

Flexible corrugated outer casing pipes of HDPE

TECHNICAL SPECIFICATION

Subject

Flexible corrugated outer casing pipes of HDPE

Product characteristics

The product complies to BRL 5609 Pre-insulated flexible plastics piping systems for warm water distribution outside buildings - Part 2: Products.

Specification

The dimensions of the pipe in the table below are part of this certificate.

Nominal outside diameter (mm)
140
175
200
250

Colour: black

Remarks: The corrugated outer casing pipes are made of HDPE and contain UV protective constituents.

Marking

The products shall be marked with the KOMO® mark.

Outer Casing

The minimum required marking on the protection pipes shall be:

- KOMO (KOMO® word mark);
- the manufacturer's name, trade name, certificate number of the protection pipe or the certificate number of the belonging technical approval (system) certificate.
- DH1 or District Heating or Stadsverwarming
- Design pressure 6 bar;
- nominal outside diameter of the inner pipe in mm;
- nominal outside diameter of the outer casing in mm;
- material identification: PE;
- production code.

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

Logistics

Production and assembly of the system is laid down in the annex of the certification agreement.

APPLICATION AND USE

The corrugated protection pipes have to protect the construction and protection against external influences (after installation)..

TIPS FOR THE USER

Check on delivery of the products listed under the "technical specification" whether:

- The product(s) and material(s) ordered are delivered in accordance with the agreement you made.
- The brand and the method of marking is correct
- No defects or damage is visible (for example, resulting from the transportation).

If on the basis of the foregoing you decide to proceed to rejection, please contact

- UPONOR GmbH

And if necessary,

- Kiwa Nederland B.V.

Carry out the storage, transport and processing in accordance with the provisions included in this product certificate and/or documents of the certificate holder.

