

KOMO product certificate



NL/SfB: --

Kiwa N.V.

Certification and Inspection

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Accredited by RvA

Corrugated drainage pipes made of PE, PP and mixtures of PE and PP

Number : K4338/03
Issued : 2002-02-01
Replaces : K4338/02
Dated 1999-07-15

Producer

Grainplastics B.V.

Morseweg 2

8912 BG Leeuwarden

Postbus 671

8901 BL Leeuwarden

Telephone +31 58 298 34 74

Telefax +31 58 298 34 75

E-mail: info@grain-plastics.nl

STATEMENT BY KIWA

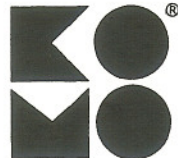
This Product Certificate is issued by Kiwa on the basis of Evaluation Guideline 1410, "Corrugated drainage pipes, click sockets, end pipes and inclining drains made of PE, PP and mixtures of PE and PP", in accordance with the Kiwa-Regulations for Product Certification: 1990.

In conformity with §3 of EN 45011, (see page 2) Kiwa declares that the drainage pipes manufactured by the producer comply with the technical specifications laid down in this Product Certificate, provided that they have been marked with the KOMO-mark reproduced below in the manner indicated in this Product Certificate.

ing. B. Meekma,
director Certification and Inspection, Kiwa N.V.

The users of this Product Certificate are advised to contact Kiwa to ensure that this document is still valid.

Reproduction of the KOMO-mark



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* This is a translation
Only the Dutch text shall be legally binding.

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The reference made in the "STATEMENT BY KIWA" to the prevailing EN 45011 standard means: action by a third party, demonstrating that adequate confidence is provided that a duly identified product is in conformity with specific standard or other normative document.

PRODUCT SPECIFICATION

Technical specification of the product

General

Corrugated drainage pipes with a nominal diameter of 50, 60, 65, 80, 100 and 125 mm are part of this product certificate.

Marking

The products are marked with the KOMO-mark.

The following marking method is used: the pipes are marked continuously with the manufacturer's name or registered trade mark as well as the word mark KOMO.

The following markings are printed clearly legible and indelible on a weather resisting label which has to be attached on each pipe:

- ◆ KOMO-mark and number of the certificate;
- ◆ manufacturer's name or registered trade mark;
- ◆ depending on the material the indication "PE" or "PE/PP" with the addition "-Ry" in case recycled material is used;
- ◆ nominal outside diameter in mm;
- ◆ nominal width of the perforations in mm;
- ◆ length of the pipe in m;
- ◆ BRL 1410;
- ◆ production date, shift number, extruder number and specification number of the raw material. These markings may be printed in code.

RECOMMENDATIONS FOR USERS

1. The products are intended for drainage or infiltration of terrain's and are intended to be used in combination with:
 - ◆ cylindrical sockets with a click joint made of unplasticized PVC according to BRL 1404;
 - ◆ cylindrical sockets made of PE, PP or mixtures of PE and PP with a click joint according to BRL 1410;
 - ◆ end pipes made of unplasticized PVC according to BRL 1405;
 - ◆ end pipes made of PE, PP or mixtures of PE and PP according to BRL 1410.
2. Check at the time of delivery whether:
 - 2.1 the producer has delivered in conformity with the agreement;
 - 2.2 the mark and marking method are correct;
 - 2.3 the products do not show any visible defects due to transport etc.
3. If you should reject a product on the basis of the above, please contact:
 - 3.1 GrainPlastics B.V.
and, if necessary,
 - 3.2 Kiwa N.V.