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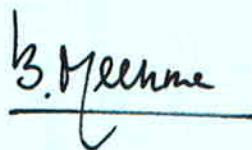
## Product Certificate

### POM mechanical couplings, type K....

Based on pre-certification tests as well as periodic inspections by Kiwa Nederland B.V., the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

### E. Hawle Armaturenwerke GmbH

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements no. 70, for "Mechanical fittings for polyethylene piping systems for the supply of gaseous fuels - Thermoplastics fittings and metal fittings for pipes of nominal outside diameter less than or equal to 63 mm", dated 11-2004 and ISO 10838-3, for "Mechanical fittings for polyethylene piping systems for the supply of gaseous fuels - Part 3: Thermoplastics fittings for pipes of nominal outside diameter less than or equal to 63 mm", dated 2001 and NEN-EN 1555-3, for "Plastics piping systems for the supply of gaseous fuels - Polyethylene(PE)" - Part 3: Fittings, dated 2003.



Bouke Meekma  
Director Kiwa Nederland B.V.

This certificate is issued in accordance with the Regulations for Bearing the GASTEC QA quality label

This certificate consists of 4 pages.  
Publication of the certificate is allowed.

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Certificate

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## POM mechanical couplings, type K....

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### PRODUCT SPECIFICATION

Couplings and transition couplings in order to fulfil mechanical tensile connections in polyethene (PE) piping systems, class SDR 17,6 and SDR 11 and between PE and copper pipes according to KE 5 quality half-hard of which the PE pipe on the copper side is used as a pipe sleeve and between PE and PE coated steel pipes according to EN 6902.

Material: POM

Max. working pressure 4 bar

#### **K 6125**

Male adaptor PE x outer thread: 20 x R 1/2, 25 x R 3/4, 25 x R1 (K6135), 32 x R 1, 32 x R 1 1/4 (K6135), 40 x R 1 1/4, 40 x R 2 (K6135), 50 x R 1 1/2, 50 x R 2 (K6135) and 63 x R 2.

#### **K 6225**

Female adaptor PE x inner thread: 20 x Rp 1/2, 25 x Rp 3/4, 32 x Rp 1, 40 x Rp 1 1/4, 50 x Rp 1 1/2, 50 x Rp 2 and 63 x Rp 2.

#### **K 6325**

Connector PE x PE: 20 x 20, 25 x 25, 32 x 32, 40 x 40, 50 x 50 and 63 x 63.

#### **K 6335**

Connector reduced PE x PE: 25 x 20, 32 x 25, 40 x 25, 40 x 32, 50 x 25, 50 x 32, 50 x 40, 63 x 40 and 63 x 50.

#### **K 6365**

Connector equal PE x PE coated steel pipe NEN 6902: 25 x 3/4" KB en 32 x 1" KB. 50 x 1 1/2 KB.

#### **K 6375**

Connector reduced PE x PE coated steel pipe NEN 6902: 25 x 1" KB, 40 x 1" KB, 50 x 1 1/2" KB, 50 x 1 1/2"KB and 63 x 2" KB.

#### **K 6385**

Connector PE x copper pipe KE 5 half-hard: 25 x 15 Cu, 25 x 22 Cu, 32 x 15 Cu, 32 x 22 Cu, 32 x 28 Cu, 40 x 28 Cu, 40 x 35 Cu and 50 x 42 Cu.

#### **K 6395**

Connector PE x PE pipe sleeve x copper pipe KE 5 half-hard: 32 x 32 x 22 Cu, 32 x 25 x 22 Cu en 40 x 40 x 28 Cu.

#### **K 6425**

Elbow 90° PE x PE: 20 x 20, 25 x 25, 32 x 25 (K 6491), 32 x 32, 40 x 32 (K 6491), 40 x 40, 50 x 50 and 63 x 63.

#### **K 6435**

Elbow 90° female thread PE x inner thread: 20 x Rp 1/2, 25 x Rp 3/4, 32 x Rp 1, 40 x Rp 1 1/4, 50 x Rp 1 1/2 and 63 x Rp 2.

#### **K 6485**

Elbow 90° equal PE x PE coated steel pipe NEN 6902: 25 x 3/4" KB, 32 x 1" KB, 40 x 1 1/4" KB, 50 x 1 1/2" KB and 63 x 2" KB.

#### **K6495**

Elbow 90° reduced PE x PE coated steel pipe NEN 6902: 25 x 1" KB en 40 x 1"KB.

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Material: POM

Max. working pressure 4 bar

#### **K 6125**

Male adaptor PE x outer thread: 20 x R 1/2, 25 x R 3/4, 25 x R1 (K6135), 32 x R 1, 32 x R 1 1/4 (K6135), 40 x R 1 1/4, 40 x R 2 (K6135), 50 x R 1 1/2, 50 x R 2 (K6135) and 63 x R 2.

#### **K 6225**

Female adaptor PE x inner thread: 20 x Rp 1/2, 25 x Rp 3/4, 32 x Rp 1, 40 x Rp 1 1/4, 50 x Rp 1 1/2, 50 x Rp 2 and 63 x Rp 2.

#### **K 6325**

Connector PE x PE: 20 x 20, 25 x 25, 32 x 32, 40 x 40, 50 x 50 and 63 x 63.

#### **K 6335**

Connector reduced PE x PE: 25 x 20, 32 x 25, 40 x 25, 40 x 32, 50 x 25, 50 x 32, 50 x 40, 63 x 40 and 63 x 50.

#### **K 6365**

Connector equal PE x PE coated steel pipe NEN 6902: 25 x 3/4" KB en 32 x 1" KB. 50 x 1 1/2 KB.

#### **K 6375**

Connector reduced PE x PE coated steel pipe NEN 6902: 25 x 1" KB, 40 x 1" KB, 50 x 1 1/2" KB, 50 x 1 1/2"KB and 63 x 2" KB.

#### **K 6385**

Connector PE x copper pipe KE 5 half-hard: 25 x 15 Cu, 25 x 22 Cu, 32 x 15 Cu, 32 x 22 Cu, 32 x 28 Cu, 40 x 28 Cu, 40 x 35 Cu and 50 x 42 Cu.

#### **K 6395**

Connector PE x PE pipe sleeve x copper pipe KE 5 half-hard: 32 x 32 x 22 Cu, 32 x 25 x 22 Cu en 40 x 40 x 28 Cu.

#### **K 6425**

Elbow 90° PE x PE: 20 x 20, 25 x 25, 32 x 25 (K 6491), 32 x 32, 40 x 32 (K 6491), 40 x 40, 50 x 50 and 63 x 63.

#### **K 6435**

Elbow 90° female thread PE x inner thread: 20 x Rp 1/2, 25 x Rp 3/4, 32 x Rp 1, 40 x Rp 1 1/4, 50 x Rp 1 1/2 and 63 x Rp 2.

#### **K 6485**

Elbow 90° equal PE x PE coated steel pipe NEN 6902: 25 x 3/4" KB, 32 x 1" KB, 40 x 1 1/4" KB, 50 x 1 1/2" KB and 63 x 2" KB.

#### **K6495**

Elbow 90° reduced PE x PE coated steel pipe NEN 6902: 25 x 1" KB en 40 x 1"KB.

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### **K 6525**

T-piece PE x inner thread x PE: 20 x Rp 1/2 x 20, 25 x Rp 3/4 x 25, 32 x Rp 1 x 32, 40 x Rp 1 1/4 x 40, 50 x Rp 1 1/2 x 50, 63 x Rp 1 1/2 x 63 en 63 x Rp 2 x 63.

### **K 6555**

T-piece PE x PE x PE: 25 x 25 x 25, 32 x 32 x 32, 40 x 40 x 40, 50 x 50 x 50 en 63 x 63 x 63.

### **K 6226**

End cap PE: 20, 25, 32, 40, 50 and 63.

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#### APPLICATION AND USE

Mechanical couplings made of thermoplastics for connecting, to each other or to a metal pipe or fitting, polyethylene (PE) pipes conforming to EN 1555-2 for the supply of gaseous fuels.

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#### MARKING

Permanent marking eg. by moulding or indent marking on the body of the fitting:

- the products are marked with the GASTEC QA logo.
- the manufacturer's name and/or trademark;
- the manufacturing batch number and/or date;
- manufacturer's information for providing traceability;
- Identification of the moulder;
- marking for separate inserts:
- the SDR series and for the sizes  $D_n \leq 32$  mm the nominal outside diameter x nominal wall thickness ( $D_n \times e$ ).
- the maximum operating pressure for which the fitting is designed.

Permanent marking on the fitting or on a label:

- a traceability code in accordance with the relevant standards;
- the size of PE pipe to which the fitting is designed to be connected, its material properties and its dimensions;
- the assembly torque (if specified);
- the size of metal pipe to which the fitting is designed to be connected (DN);
- the designation of the plastics material, if necessary;
- any other useful information for assembly of the fitting.

Where necessary, fittings shall be packaged in plastic bags and placed in cardboard boxes or cartons.

The plastic bags and/or cardboard boxes or cartons shall bear at least one label with the following information:

- the manufacturer's name;
- the type of fitting and its dimensions;
- the date of manufacture;
- the number of units in the box;
- any special storage conditions and storage-time limits.

Method of marking:

- Non-erasable;
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### RECOMMENDATIONS FOR CUSTOMERS:

1. Check at the time of delivery whether:
    - 1.1 the producer has delivery in accordance with the agreement;
    - 1.2 the mark and the marking method are correct;
    - 1.3 the products show no visible defects as a result of transport etc.
  2. If you should reject a product on the basis of the above, please contact:
    - 2.1 E. Hawle Armaturenwerke GmbH  
and, if necessary,
    - 2.2 Kiwa Nederland B.V.
  3. Consult the producer's processing guidelines for the proper storage and transport methods.
  4. Check whether this certificate is still valid by consulting the publication list for Gastec Certificates (Kluwer Handboek).
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