

KOMO[®]
product certificate



Number	K4195/09	Replaces	K4195/08
Issued	2008-02-15	Dated	2006-10-01
Valid till	Indefinite	Page	1 of 3

Rubber sealing rings for joints in waste water plastics
piping systems
M.O.L. Gummiverarbeitung GmbH & Co. KG

STATEMENT BY KIWA

This product certificate is issued on the basis of BRL 2013 "Rubber sealing rings and flange gaskets for join in drinking water and waste water piping systems", in accordance with the Kiwa Regulations for Product Certification.

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

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

Advise: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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Evaluated is:
quality system
product
Periodic inspection

Rubber sealing rings for joints in waste water plastic piping systems

PRODUCT SPECIFICATION

Technical specification of the product

The products in the table satisfy the requirements in BRL 2013. BRL 2013 covers completely the requirements in NEN-EN 681-1, type WC, "Elastomeric Seals – Materials requirements for pipe joint seals used in water and drainage applications – Part 1: Vulcanized rubber".

type rubber and blend	hardness in IRHD in mm	nominal dimensions	ring type
SBR 40	40+/-5	160-220	Vortriebsrohrdichtung
SBR 40	40+/-5	32-200	Lippendichtung DD-ring
SBR 40	40+/-5	110-600	EL-ring
EPDM 50	50+/-5	110-500	Awadukt PP
EPDM 50	50+/-5	32-200	Mabo L-Ring
EPDM 50	50+/-5	160-630	Lippendichtung DV-ROR
EPDM 50	50+/-5	110-630	Lippendichtung System SK
SBR 50	50+/-5	300-1200	Beton rohrdichtung System BK
SBR 60	60+/-5	40-500	Lippendichtung UNI-ring
SBR 60	60+/-5	32-500	Lippendichtung BL-ring
SBR 60	60+/-5	110	Afdichtingsring

Details of the rings are included in the drawing list, which forms a part of the IQC schedule. Kiwa authenticates this list. A copy of the list can be requested at the manufacturer.

Marking

The products are marked with the KOMO mark. The following marking method is used: imprint.
Location of the mark: on each rubber sealing ring.

Compulsory designations:

- KOMO word mark;
- manufacturer's name or registered trade mark;
- year of manufacture and preferably the quarter;
- the type of rubber used. This is marked by means of coloured rubber which is vulcanised together with the rubber sealing ring:
 - for natural rubber : NR (green);
 - for isoprene rubber : IR (green);
 - for styrenebutadiene rubber : SBR (red);
 - for nitrilebutadiene rubber : NBR (yellow);
 - for chloroprene rubber : CR (white)
 - for ethylenepropylencopolymer : EPM (blue)
 - for ethylenepropylenetercopolymer : EDPM (blue)
- rubber sealing rings manufactured from blends are in addition marked with the letter B (for "blend") which is placed behind the first mentioned letter code.

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RECOMMENDATIONS FOR USERS

The products are intended to be applied as part of a flexible piping system with plastics inner pipe for heated water distribution.

Hereby the following application conditions must be taken into account:

- NPR 3218 "inner pipe for heated water distribution. Installation and maintenance";
- The installation instructions for the products.

Check at the time of delivery whether:

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

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

- M.O.L. Gummiverarbeitung GmbH & Co. KG

and, if necessary:

- Kiwa N.V.

Consult the installation instructions of the producer for the correct way of storage, transport and processing of the products.