



KOMO®
Product certificate
K77131/04



Issued	2018-02-15	Replaces	K77131/03
Valid until	Indefinite	Dated	2016-06-15
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Vulcanized rubber products for cold and hot non-drinking water applications
Gumotiv SPK

STATEMENT BY KIWA

This product certificate is issued on the basis of BRL 2013 "Vulcanized rubber products for cold and hot non-drinking water applications" dated 12 October 2016, conform the Kiwa-Regulations for Certification.

The quality system and product characteristics in association with vulcanized rubber products for cold and hot non-drinking water applications are assessed periodically.

On this basis Kiwa declares that a justified confidence exists, that the vulcanized rubber products for cold and hot non-drinking water applications delivered by the certificate holder at delivery fulfil:

- the technical specification laid down in this product certificate,
 - the product requirements as laid down in this product certificate and in the BRL.
- provided that vulcanized rubber products for cold and hot non-drinking water applications have been marked with the KOMO®-mark in a manner as indicated in this product certificate;

Luc Leroy
 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.*

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Evaluated is:
 quality system
 product
 Periodic inspection

CERTIFICATE

47317/015

Vulcanized rubber products for cold and hot non-drinking water applications

TECHNICAL SPECIFICATION

Vulcanized rubber products for cold and hot non-drinking water applications

Product characteristics

The products as specified in the table below fulfil the requirements of BRL-2013 for the mentioned class(es).

Specification

Rubber Compound	Nominal Hardness [IRHD]	Ozone class ¹	Field of application class ²	Height [mm]	Thickness [mm]	Nominal Dimensions [mm]	Product
				<i>If combined: Cross Section</i>			
EPDM 1EP5014 TUL	50	I	I – WCL	8,4 – 29,6		315 and 400	Pragma OD
				140,6		800	Manszeta 800
EPDM- B2-4645	60	I	I – WC	22,9 – 66,5	11,8	200 – 400	On Site Seal
EPDM- B2-4665	60	I	I – WCL	100,4		600	Manszeta 600
SBR- B2-2521	50	II	I – WC	10,1 – 11,2		200	Manszeta 200
SBR- B2-2621	60	II	I – WCL	11,3 – 22,0		160 – 400	Pipelife “L”
				4,9 – 23,7		32 - 400	System BL
				20,8 – 30,9		125 – 160	Afdichting Elastyczny
SBR- B2-2527	55	II	I – WC			110	Manszeta 110
SBR M8202	60	II	WCL	4,9 – 23,7		32 - 400	System BL
NBR- B3-3600	60	II	I - WG	7,9 – 23,7		100 - 400	System BL öl

1 Ozone resistance class according to BRL-2013:
 I For products with a high risk of attack by ozone, for instance in case of separately supplied products without sufficient packaging or in case of connections with preinstalled rubbers under strain;
 II For products for which a normal resistance to ozone is required;
 III For rubbers which are never (partly) exposed to the open air when they are in tension. Transport shall always take place in sealed packages.

2 Field of application class according to BRL 2013 class:
 I Cold water supply at temperatures continuously up to 45 °C and intermittently up to 95 °C;
 II Hot water supply at temperatures intermittently up to 110 °C, or water supply up to 110 °C in serviceable piping systems;
 III Hot water circulation systems based on the classification class 2 in ISO 10508;
 IV District heating, secondary systems with hot water circulation between 75 °C and 95 °C.

Field of application class according to EN 681-1:
 WC As in BRL-2013 class I;
 WD As in BRL-2013 class II;
 WF As in BRL-2013 class II, for IIR-copolymer;
 WG As in BRL-2013 class I, oil resistance.

Details of the products are included in the drawing list, which forms a part of the IQC schedule. Kiwa authenticates this list. A copy of this list can be obtained from the producer.

Marking

The following marks and indications must be provided on each product[#] and product packaging in a clear, legible and indelible way:

- the name of manufacturer or the deposited trade mark;
- KOMO (or KOMO® word mark) with certificate number;
- the nominal dimension or dimensions;
- the nominal hardness;
- the year of manufacturing and preferably the quarter;
- type of rubber applied by means of the letter codes of the nomenclature according to ISO 1629;
- the application class (I, II, III or IV);
- on products from blends, the letter B (“blend”) shall be placed behind the first letter code;
- the ozone resistance class (“Ozone I, II or III”). For rubber rings made from two compounds the compound with the lowest class is valid.

[#] If the dimensions of the products are such that the indications applied to them may impair the product, the products may be marked per package in consultation with the manufacturer, the buyer and Kiwa. Products produced by cutting or die cutting out of sheets may be marked per package.



Vulcanized rubber products for cold and hot non-drinking water applications

BRL number and certificate number; optional

RECOMMENDATION FOR THE CUSTOMER

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 delivery on the basis of the above, please contact:

- Gumotiv SPK
- and, if necessary:
- Kiwa Nederland B.V.

For the proper storage, transport and processing consult the instructions of the certificate holder.

The statements in this product certificate may not be used to replace the CE marking and/or the corresponding mandatory Declaration of Performance.

