

Amendment BRL 2013

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

Date ammendment xx-xx-2017

Validated by Kiwa Board of Experts Piping Systems (LSK) on XXX

The use of this evaluation guideline for any purpose whatsoever shall only be allowed after the conclusion of a written agreement with Kiwa in which the right of use is arranged.

Validity

This amendment is related to Evaluation Guideline 2013 dated 12 October 2016.

Validation

This amendment has been validated by Kiwa on XXX.

Corrections:

4.5.8 Swelling in water

Replace complete section by:

" 4.5.8 Swelling in water

The change in volume after immersion for 168 hours at 70 °C (class I) or 95 °C (class II and III) or 105 °C (class IV) in accordance with ISO 1817 shall be within the limits -1 and +8% (v/v).

For swelling seals used for class III and IV also the change in volume after immersion for 10 weeks (class III) or 15 weeks (class IV) at 150 °C in accordance with ISO 1817 shall be more than +10% (v/v).

See the annexes F and G for more details about test pieces."

Annex B: Summary of the material requirements for rubber products and rubber sheets

Replace the second part of table 10: Requirements for swelling seals only, class III, with

Property	Units	Method	Requirement
Aging 3 weeks at 125 °C		ISO 188	
- change hardness	IRHD		+10/-5
- change tensile strength	%		≤ 25
- change elongation at break	%		+10/-40
Changes after storage in hot water	%	ISO 1817	>+10 *
10 weeks at 150 °C			

* After the storage the samples should still be intact and it should be possible to handle them without problems for the measurements.