

Material Declaration of Compliance with Food Legislation as specified in EU Regulation No. 1935/2004

Sentinel[®] X is produced in accordance with good manufacturing practice as specified in EU Regulation 1935/2004 and does not release any components in quantities that have the potential to endanger human health if it is used properly.

The suitability of materials and articles based on natural and synthetic rubber for contact with food is evaluated and tested in accordance with BfR Directive XXI. It is determined, first of all, in what area (classification in categories 1 – 4) the material or article is used.

Classification in a specific category depends on the contact area between the material or article and the medium, and the duration of the contact. Category 1 means a very large contact area and a very long contact time, while category 4 means only a very small contact area and a relatively short contact time. It is a fundamental rule that the formulation is reviewed on the basis of the positive list in Directive XXI for every category. Migration tests are also required in categories 1 – 3. They are not needed for category 4.

Gaskets for pipes, like Sentinel[®] X, are classified in category 4 by definition. See BfR Directive XXI (category 4, point 2.4.1 Definition) in this context too.

Sentinel[®] X satisfies the relevant requirements in all respects. This means that no components representing a hazard to health can be expected to migrate to food if the material is used properly.

For detailed information concerning the regulation BfR Directive XXI.
Please see <https://bfr.ble.de/kse/faces/DBEmpfehlung.jsp>.



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All tests carried out in accordance with the relevant BS/BS ISO method.

This is an uncontrolled copy and will not be updated.

The quoted values and information are reviewed on a regular basis so please contact James Walker prior creating specifications for this material.

Information given in this publication is given in good faith and represents the results of specific individual tests carried out by James Walker in accordance with the methodologies described in this publication, performed in a laboratory. No representation or warranty is given in relation to such information.

Values and/or operating limits given in this publication are not an indication that these values and/or operating limits can be applied simultaneously. While such results may comprise useful additional information and are industry standard tests, they are no substitute for conducting (or procuring from James Walker) your own tests and engineering analysis and satisfying yourself as to the suitability of the material you select.

Please also note that material tested in accordance with the above methodologies may not perform to such values in application and/or under different test conditions or methodology for a variety of reasons, including but not limited to the environment in which it is used/tested or which passes through it or otherwise affects the material, or due to the design of the product made with the material, handling, storage or installation, or due to the effect of housing or other parts.

Our personnel will be happy to discuss any historical examples we have of the material having been previously used in a particular application.

Safety Data Sheets (SDS) are available on request.

