Material
90 FKM B1OR91FK

Version	Released on
01	15.01.2025

General Data

Colour:	Black
Type of cross-linking:	Bisphenol cure system

Physical Properties	**Nominal Range**	**Typical Value**	
Hardness DIN ISO 7619-1, Shore A	90 ± 5		Shore
Tensile strength ISO 37	> 10.00		MPa
Elongation at break ISO 37	> 100		%
Low temperature ISO 2921, TR10	< -12.00		°C
Compression set DIN ISO 815, B, 72 h, 175 °C	< 30		%

Temperature Range

static:	-20 to 200 °C

The nominal ranges listed in this document are based on the ISO 3601-5 Standard (Fluid power systems - O-rings - Specification of elastomeric materials for industrial applications).

This data sheet supersedes all previous versions. The content is subject to change without prior notice. The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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Freudenberg Industrial Services GmbH
Global Material Technology
Email: FIS.Compound.CRC@fst.com

Regulatory Material Information for 90 FKM B1OR91FK

This overview reflects the current available conformity documents for this specific material only, applicable at the date of issue identified below, to the best of our knowledge. It is for information purposes only and does not replace the Declarations of Conformity (DoC) or other article or product-based assessments. The DoC are available upon request under the conditions, limitations, and validity periods specified therein.

Overview Material related documents:	**Release Date**	**Expiration Date**
ROHS and ELV	15.01.2025	15.01.2030

Issue Date: 28.07.2026

It is valid until the mentioned expiry dates or other legal changes become effective.

Disclaimer:

This declaration supersedes all previous versions. The content is subject to change without prior notice.

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Freudenberg Industrial Services GmbH
Global Material Technology
Email: FIS.Compound.CRC@fst.com

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Freudenberg Industrial Services GmbH
Global Material Technology
Email: FIS.Compound.CRC@fst.com