DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
90 FKM FP901801

Version	Released on
03	21.07.2025

General Data

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

Physical Properties	Nominal Range	Typical Value	
Density CNS 5341-96, 23 °C	1.83 ± 0.02	1.84	g/cm³
Hardness ASTM D2240-15, Shore A, 23 °C	90 ±5	89	Shore
Tensile strength ASTM D412-16	> 10.0	16.0	MPa
Elongation at break ASTM D412-16	> 100	120	%
Modulus ASTM D412-16, 100 %		13.6	MPa
Compression set ASTM D395-18, B, 22 h, 175 °C, plied	< 30	16	%
Compression set ASTM D395-18, B, 22 h, 200 °C, plied	< 50	20	%
Low temperature ASTM D1329-16, TR10		-17	°C

Temperature Range

static:	-30 to 200 °C

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.

Print date: 23.06.2026

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Regulatory Material Information for 90 FKM FP901801

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	25.06.2025	25.06.2030

Issue Date: 23.06.2026

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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