DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
70 EPDM EP703904

Version	Released on
02	19.03.2025

General Data

Colour:	Black
Type of cross-linking:	Peroxidic

Physical Properties	**Nominal Range**	**Typical Value**	
Density ISO 2781 A	1.15 ±0.02	1.15	g/cm³
Hardness ASTM D 2240, Shore A	70 ±5	72	Shore
Modulus 100 %, ISO 37		4.5	MPa
Tensile strength ISO 37		17	MPa
Elongation at break ISO 37		210	%
Tear strength ISO 34-1, A		4	KN/m
Tear strength ISO 34-1, B		11	KN/m
Tear strength ISO 34-1, C		32	KN/m
Compression set DIN ISO 815, 22 h, 100 °C		7	%
Compression set DIN ISO 815, 22 h, 150 °C		10	%
Compression set DIN ISO 815, 70 h, 100 °C		10	%
Compression set DIN ISO 815, 70 h, 150 °C		20	%
Low temperature ISO 2921, TR10		-42	°C
Glass transition temperature ISO 11357-2, DSC		-50	°C
Low temperature resistance DIN ISO 812, Brittleness		-70	°C
Ozone Resistance ISO 1431-1, 40 °C, 70 h, 200 pphm, no brittle		0	

Temperature Range

static:	-65 to 150 °C
static short term:	up to 160 °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

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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: 05.08.2026

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Regulatory Material Information for 70 EPDM EP703904

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.

Declaration of Compliance for - Drinking Water - Food & Beverage are available upon request. Please contact your known sales contact or send an email to info@fst.com.

Overview Material related documents:	**Release Date**	**Expiration Date**
ROHS and ELV	13.06.2024	28.03.2030
PFOA / PFOS free	26.06.2024	28.03.2030
ADI Free	27.05.2025	27.05.2030

Issue Date: 05.08.2026

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.

These declarations are based on our technical state of the art level of knowledge and the regulations applicable on the date of issuance. Recommendations for use or any other descriptions or technical characteristics do not constitute any kind of warranty or guarantee (within the meaning of §§ 434, 435, 443, 444 or 633, 639 of the German Civil Code (BGB)), whether express or implied, or of any fitness or suitability for a particular purpose. It is the user's sole responsibility to determine whether the provided information is appropriate and complete for its purposes and the intended use.

The user bears any product safety and product liability risk including risks of end users or consumers such as risk or danger for life, body or health including compliance with statutory or other regulatory or administrative requirements or technical norms relevant for the components or end products including e.g. declarations of conformity, certificates, approvals or third-party verifications, requirements regarding CE marking, market or product safety requirements or other regulatory requirements.

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Template Version 1.0 - Any dates are formatted (DD/MM/YYYY)

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