

Material

70 EPDM EP703901

PHASED OUT

Version
03

Released on
09.11.2022

General Data

Colour: black
 Type of cross-linking: Peroxidic

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

Physical Properties	Nominal Range	Typical Value	
Density ISO 2781 A	1.14 ±0.03	1.14	g/cm³
Hardness ASTM D2240, Shore A, 23 °C	70 ±5	72	Shore
Tensile strength ISO 37		17	MPa
Elongation at break ISO 37		210	%
Modulus 100 %, ISO 37		4.5	MPa
Tear strength ISO 34-1, B, 23 °C		11	KN/m
Tear strength ISO 34-1, C, 23 °C		32	KN/m
Low temperature ISO 2921, TR10		-42	°C
Glass transition temperature ISO 11357-2, DSC		-55	°C
Low temperature resistance DIN ISO 812, Brittleness		-70	°C
Ozone Resistance ISO 1431-1, 40 °C, 70 h, 200 pphm, no brittle		0	
Compression set DIN ISO 815 A, 22 h, 100 °C		8	%
Compression set ISO 815 A, 70 h, 23 °C		10	%
Compression set DIN ISO 815 A, 22 h, 125 °C		10	%
Compression set DIN ISO 815 A, 70 h, 100 °C		12	%
Compression set DIN ISO 815 A, 22 h, 150 °C		13	%
Compression set DIN ISO 815 A, 70 h, 150 °C		24	%
Compression set DIN ISO 815 A, 168 h, 150 °C		44	%

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09.11.2022**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 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: 20.10.2025