

Technical data sheet in accordance with ASTM

Material

90 FKM V904W

black

cross linking: bisphenolically

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Physical properties

	nominal range	typical values	
Density ASTM D1817	---	2.01	g/cm ³
Hardness ASTM D 2240, Shore A	90 ±5	86	Shore
Tensile strength ASTM D 412	> 14	16	MPa
Elongation at break ASTM D 412	> 100	128	%
Compression set ASTM D 395, Slab B, 70 h, 175 °C, max., plied	< 30	16.7	%
Compression set ASTM D 395, Slab B, 70 h, 200 °C, max., plied	< 50	25.1	%

Declarations of conformity

No data found!

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

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Tested after ASTM D 2000: M 3 HK 914 A1-10 B37 B38 EF31 EO78 Z1

		nominal range	typical values
Hardness	Shore	90 ±5	86
Tensile strength	MPa	min. 14	16
Elongation at break	%	min. 100	128
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	4
Tensile strength	%	-25	-3
Elongation at break	%	-25	-6
B37 Compression set 22h/175°C	%	30	16.7
B38 Compression set 22h/200°C	%	50	25.1
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-1
Tensile strength	%	-25	-16
Elongation at break	%	-20	-9
Volume	%	0 to 10	1.9
EO78 Change after aging in Fluid No. 101 70h/200°C			
Hardness	Shore	-15 to 5	-8
Tensile strength	%	-40	-19
Elongation at break	%	-20	6
Volume	%	0 to 15	12
Z1 Modulus 100 %, DIN 53504, S2, 23 °C	MPa	---	13.42

The given values are based on a limited number of tests on standard test pieces (2mm sheets). 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

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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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