

Technical data sheet in accordance with ASTM

Material

90 FKM V901W

black

cross linking: bisphenolically

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Physical properties

	nominal range	typical values	
Density ASTM D297	1.84 ±0.02	1.84	g/cm ³
Hardness ASTM D2240, Shore A	90 ±5	---	Shore
Modulus 100 %, ASTM D412, C	---	1742	Psi
Tensile strength ASTM D412, C	> 1450	2193	Psi
Elongation at break ASTM D412, C	> 100	127	%

Declarations of conformity

No data found!

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

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Tested after ASTM D 2000: M 2 HK 910 A1-10 B38 EF31 EO78 Z1 Z2 Z3

		nominal range	typical values
Hardness	Shore	90 ±5	92
Tensile strength	MPa	min. 10	15.12
Elongation at break	%	min. 100	127
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	0
Tensile strength	%	-25	-3
Elongation at break	%	-25	-6
B38 Compression set 22h/200°C	%	50	18.2
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-4
Tensile strength	%	-25	-7
Elongation at break	%	-20	-3
Volume	%	0 to 10	2.1
EO78 Change after aging in Fluid No. 101 70h/200°C			
Hardness	Shore	-15 to 5	-9
Tensile strength	%	-40	-5
Elongation at break	%	-20	10
Volume	%	0 to 15	7.5
Z1 Modulus 100 %, ASTM D412	MPa	---	12.01
Z2 Density CNS 5341	g/cm ³	---	1.84
Z3 Change after aging in Hatco 7700 70h/200°C			
Hardness	Shore	-15 to 5	-14
Tensile strength	MPa	-40	-4

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	Elongation at break	%	-20	5
	Volume	%	25	15.8

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 manufactories 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 provisons do not plan for something else.

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