

Technical data sheet in accordance with ASTM

# Material

## 90 NBR N901W

black

cross linking: sulfur

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D 1817	1.30	1.30	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D 2240, Shore A	90 ±5	88	Shore
<b>Tensile strength</b> ASTM D 412	> 10	19.23	MPa
<b>Elongation at break</b> ASTM D 412	> 100	156	%
<b>Compression set</b> ASTM D 395, Slab B, 22 h, 100 °C, max.	< 25	14.3	%

### Declarations of conformity

No data found!

### Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

Telefon: -

Fax: -

Email: [MaterialCompliance@fst.com](mailto:MaterialCompliance@fst.com)

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Tested after ASTM D 2000: M 6 BG 910 A14 B14 EO14 EO34 F17 Z1 Z2

		nominal range	typical values
Hardness	Shore	90 ±5	88
Tensile strength	MPa	min. 10	19.23
Elongation at break	%	min. 100	156
<b>A14 Change after aging in Air 70h/100°C</b>			
Hardness	Shore A	±15	0
Tensile strength	%	-20	0
Elongation at break	%	-40	-13
<b>B14 Compression set 22h/100°C</b>			
	%	25	14.3
<b>EO14 Change after aging in IRM 901 70h/100°C</b>			
Hardness	Shore A	-5 to 15	1
Tensile strength	%	-25	3
Elongation at break	%	-45	-6
Volume	%	-10 to 5	-1.6
<b>EO34 Change after aging in IRM 903 70h/100°C</b>			
Hardness	Shore A	0 to -20	-10
Tensile strength	%	-45	-20
Elongation at break	%	-45	-37
Volume	%	0 to 35	17
<b>F17 Low-temperature resistance after 3 min at -40 °C 3min./-40°C</b>			
		pass	pass
<b>Z1 Modulus 100 %, DIN 53504, S2, 23 °C</b>			
	MPa	---	13.63
<b>Z2 Density DIN EN ISO 1183-1, 20 °C</b>			
	g/cm <sup>3</sup>	---	1.3

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

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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 provisions do not plan for something else.

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Telefon: -

Fax: -

Email: [MaterialCompliance@fst.com](mailto:MaterialCompliance@fst.com)