

Technical data sheet in accordance with ASTM

Material

90 NBR N903X

black

cross linking: sulfur

revision index

1

revision date

7/28/2021

page

1 / 3

Physical properties

	nominal range	typical values	
Density ASTM D297	1.28 ±0.02	1.28	g/cm ³
Hardness ASTM D2240, Type A, Shore A, 1 sec	90 ±5	90	Shore
Modulus 100 %, ASTM D412, C	---	2025	Psi
Tensile strength ASTM D412, C	> 1450	2631	Psi
Elongation at break ASTM D412, C	> 100	147	%

Declarations of conformity

No data found!

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

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1

7/28/2021

page

2 / 3

Tested after ASTM D 2000: M 6 BG 910 A14 B14 EO14 EO34 Z1 Z2 Z3

		nominal range	typical values
Hardness	Shore	90 ±5	90
Tensile strength	MPa	min. 10	18.14
Elongation at break	%	min. 100	147
A14 Change after aging in Air 70h/100°C			
Hardness	Shore A	±15	1
Tensile strength	%	-20	-10
Elongation at break	%	-40	-14
B14 Compression set 22h/100°C			
	%	25	5.3
EO14 Change after aging in IRM 901 70h/100°C			
Hardness	Shore A	-5 to 15	0
Tensile strength	%	-25	-7
Elongation at break	%	-45	-9
Volume	%	-10 to 5	-1.2
EO34 Change after aging in IRM 903 70h/100°C			
Hardness	Shore A	0 to -20	-10
Tensile strength	%	-45	-13
Elongation at break	%	-45	-5
Volume	%	0 to 35	12
Z1 Tear strength ASTM D624			
	KN/m	---	46.09
Z2 Modulus 100 %, ASTM D412			
	MPa	---	13.96
Z3 Specific Gravity			
	g/cc	---	1.281

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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page 3 / 3

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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