Material
75 NBR 904

Version	Released on
02	17.12.2018

General Data

Colour:	Black
Type of cross-linking:	Sulfur

Physical Properties	**Nominal Range**	**Typical Value**	
Density DIN EN ISO 1183-1	1.44 ±0.02	1.45	g/cm³
Hardness DIN ISO 7619-1	75 ±5	77	Shore
Rebound resilience DIN 53512		30	%
Modulus 100 %, DIN 53504, S2	>4	4.8	MPa
Tensile strength DIN 53504, S2	>9	11.2	MPa
Elongation at break DIN 53504, S2	>320	400	%

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.

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Freudenberg FST GmbH
Technology & Innovation Material Compliance
Email: MaterialCompliance@fst.com

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Tested after ASTM D 2000: M 7 BG 8 7 A14 B14 EA14 EF11 EF21 EO14 EO34

ASTM Property		Nominal Range	Typical Value
Elongation at break	%	min. 100	415
Hardness	Shore	80 ±5	77
Tensile strength	MPa	min. 7	11
A14 Air 70.00h/100.00°C			
Tensile strength	MPa		4
Elongation at break	%		-6
Hardness	Shore		4
B14 22.00h/100.00°C			
Compression set	%	25	25
EA14 Distilled Water 70.00h/100.00°C			
Volume change	%	±15	7
Hardness	Shore	±10	-4
EF11 Fuel A 70.00h/23.00°C			
Elongation at break	%	-25	-20
Tensile strength	MPa	-25	-20
Hardness	Shore	±10	-2
Volume change	%	-5 to 10	3
EF21 Fuel B 70.00h/23.00°C			
Hardness	Shore	0 to -30	-15
Volume change	%	0 to 40	27
Elongation at break	%	-60	-40
Tensile strength	MPa	-60	-45
EO14 IRM 901 70.00h/100.00°C			

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Volume change	%	-10 to 5	-4
Elongation at break	%	-45	-19
Hardness	Shore	±5	7
Tensile strength	MPa	-25	10

EO34 IRM 903 70.00h/100.00°C

Elongation at break	%	-45	-30
Hardness	Shore	-10 to 5	-7
Volume change	%	0 to 25	14
Tensile strength	MPa	-45	-8

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