

Technical data sheet in accordance with ASTM

Material

70 NBR N702V

black

cross linking: sulfur

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Physical properties

	nominal range	typical values	
Density ASTM D297, 23 °C	1.23 ±0.02	1.23	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	70 ±5	67	Shore
Tensile strength ASTM D412, C, 23 °C	> 14	14.9	MPa
Elongation at break ASTM D412, C, 23 °C	> 250	398	%

Temperature range

-35°C to 100°C

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

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Tested after ASTM D 2000: M 2 BG 714 B14 EA14 EF11 EF21 EO14 EO34 F17 Z1

		nominal range	typical values
Hardness	Shore	70 ±5	67
Tensile strength	MPa	min. 14	14.9
Elongation at break	%	min. 250	398
A14 Change after aging in Air 70h/100°C			
Hardness	Shore A	---	2
Tensile strength	%	---	19
Elongation at break	%	---	-15
B14 Compression set 22h/100°C			
	%	25	12
EA14 Change after aging in Distilled water 70h/100°C			
Hardness	Shore A	±10	-2
Volume	%	±15	3
EF11 Change after aging in Fuel A 70h/23°C			
Hardness	Shore A	±10	-2
Tensile strength	%	-25	-8
Elongation at break	%	-25	-14
Volume	%	-5 to 10	3
EF21 Change after aging in Fuel B 70h/23°C			
Hardness	Shore A	0 to -30	-4
Tensile strength	%	-60	-20
Elongation at break	%	-60	-23
Volume	%	0 to 40	15
EO14 Change after aging in IRM 901 70h/100°C			
Hardness	Shore A	-5 to 10	5

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		Tensile strength	%	-25	6
		Elongation at break	%	-45	-16
		Volume	%	-10 to 5	-5
EO34 Change after aging in IRM 903 70h/100°C					
		Hardness	Shore A	-10 to 5	-4
		Tensile strength	%	-45	3
		Elongation at break	%	-45	-24
		Volume	%	0 to 25	12
F17	Low-temperature resistance after 3 min at -40 °C 3min./-40°C			pass	pass
Z1	Specific Gravity ASTM D792		g/cc	---	1.23

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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