FREUDENBERG
SEALING TECHNOLOGIES

Technical data sheet in accordance with ASTM

Material
70 NBR N700M

black

cross linking: sulfur

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Physical properties	nominal range	typical values	
Density ASTM D297, 23 °C	---	---	g/cm³
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	%
Compression set ASTM D395, Slab B, 22 h, 100 °C, 25 %	< 25	12	%

Declarations of conformity
No data found!

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

			nominal range
	Hardness	Shore	70 ±5
	Tensile strength	MPa	min. 14
	Elongation at break	%	min. 250
B14	**Compression set 22h/100°C**	%	25
EA14	**Change after aging in Distilled water 70h/100°C**		
	Hardness	Shore A	±10
	Volume	%	±15
EF11	**Change after aging in Fuel A 70h/23°C**		
	Hardness	Shore A	±10
	Tensile strength	%	-25
	Elongation at break	%	-25
	Volume	%	-5 to 10
EF21	**Change after aging in Fuel B 70h/23°C**		
	Hardness	Shore A	0 to -30
	Tensile strength	%	-60
	Elongation at break	%	-60
	Volume	%	0 to 40
EO14	**Change after aging in IRM 901 70h/100°C**		
	Hardness	Shore A	-5 to 10
	Tensile strength	%	-25
	Elongation at break	%	-45
	Volume	%	-10 to 5
EO34	**Change after aging in IRM 903 70h/100°C**		
	Hardness	Shore A	-10 to 5

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Tensile strength		%	-45	
Elongation at break		%	-45	
Volume		%	0 to 25	

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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