

Technical data sheet in accordance with ASTM

Material

70 EPDM E703E

black

cross linking: sulfur

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Physical properties

	nominal range	typical values	
Density ASTM D 1817	---	1.18	g/cm ³
Hardness ASTM D 2240, Shore A	70 ±5	71	Shore
Tensile strength ASTM D 412	> 8	8.65	MPa
Elongation at break ASTM D 412	> 150	230	%
Compression set ASTM D 395, Slab B, 24 h, 100 °C, 25 %	< 50	18	%

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 AA 708 A13 EA14 F17 Z1 Z2 Z3 Z4 Z5 Z6

			nominal range	typical values
	Hardness	Shore	70 ±5	71
	Tensile strength	MPa	min. 8	8.65
A13	Change after aging in Air 70h/70°C			
	Hardness	Shore	±15	2
	Tensile strength	%	±30	5
	Elongation at break	%	-50	0
B13	Compression set 22h/70°C	%	---	18
EA14	Change after aging in Distilled water 70h/100°C			
	Volume	%	10	2
F17	Low-temperature resistance 3min./-40°C		pass	pass
Z1	Tear strength ASTM D624, C	KN/m	---	30.4
Z2	Modulus 100 %, ASTM D412	MPa	---	3.9
Z3	Density	g/cm ³	---	1.177
Z4	Change after aging in Air 70h/100°C			
	Hardness ASTM D 2240, Shore A	Shore	---	6
	Tensile strength ASTM D 412	%	---	6
	Elongation at break ASTM D 412	%	---	-19
	volume change	%	---	-2.9
Z5	Change after aging in Distilled water 70h/100°C			
	Hardness Shore A	Shore	---	2
	Elongation at break	%	---	-28

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	Tensile strength	%	---	-10
Z6	Elongation at break ASTM D412	%	min. 150	230

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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