

Technical data sheet in accordance with ASTM

Material

70 FKM V700NBR

brown

cross linking: bisphenolically

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Physical properties

nominal range

typical values

Density

ASTM D297, 23 °C

2.12

g/cm³

Hardness

ASTM D2240, Shore A, 23 °C

70 ±5

70

Shore

Tensile strength

ASTM D412, C, 23 °C

> 10

11.8

MPa

Elongation at break

ASTM D412, C, 23 °C

> 175

348

%

Compression set

ASTM D395, Slab B, 22 h, 200 °C

< 50

23

%

Declarations of conformity

No data found!

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

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Tested after ASTM D 2000: M 2 HK 710 A1-10 B37 B38 EF31 EO78 Z1

		nominal range	typical values
Hardness	Shore	70 ±5	70
Tensile strength	MPa	min. 10	11.8
Elongation at break	%	min. 175	348
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	2
Tensile strength	%	-25	-2
Elongation at break	%	-25	5
B37 Compression set 22h/175°C	%	50	19
B38 Compression set 22h/200°C	%	50	23
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-4
Tensile strength	%	-25	-11
Elongation at break	%	-20	-8
Volume	%	0 to 10	4
EO78 Change after aging in Fluid No. 101 70h/200°C			
Hardness	Shore	-15 to 5	-10
Tensile strength	%	-40	-17
Elongation at break	%	-20	-1
Volume	%	0 to 15	12
Z1 Specific Gravity ASTM D792	g/cc	---	2.12

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 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

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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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