

Technical data sheet in accordance with ASTM

Material

80 FKM V800M

black

cross linking: bisphenolically

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Physical properties

nominal range

typical values

Density

ASTM D297, 23 °C

g/cm³

Hardness

ASTM D2240, Shore A, 23 °C

80 ±5

80

Shore

Tensile strength

ASTM D412, C, 23 °C

> 14

15

MPa

Elongation at break

ASTM D412, C, 23 °C

> 150

190

%

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 HK 814 A1-10 B38 EF31 EO78

		nominal range
Hardness	Shore	80 ±5
Tensile strength	MPa	min. 14
Elongation at break	%	min. 150
A1-10 Change after aging in Air 70h/250°C		
Hardness	Shore A	10
Tensile strength	%	-25
Elongation at break	%	-25
B38 Compression set 22h/200°C		
	%	50
EF31 Change after aging in Fuel C 70h/23°C		
Hardness	Shore	±5
Tensile strength	%	-25
Elongation at break	%	-20
Volume	%	0 to 10
EO78 Change after aging in Fluid No. 101 70h/200°C		
Hardness	Shore	-15 to 5
Tensile strength	%	-40
Elongation at break	%	-20
Volume	%	0 to 15

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 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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