

Technical data sheet in accordance with ASTM

# Material

## 80 FKM V801NBR

brown

cross linking: bisphenolically

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D297, 23 °C	2.16 ±0.02	2.16	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A, 23 °C	80 ±5	77	Shore
<b>Modulus</b> 100 %, ASTM D412, C, 23 °C	---	---	MPa
<b>Tensile strength</b> ASTM D412, C, 23 °C	> 10	12.4	MPa
<b>Elongation at break</b> ASTM D412, C, 23 °C	> 150	206	%

### Temperature range

-20°C to 200°C

### Declarations of conformity

No data found!

### Freudenberg

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Tested after ASTM D 2000: M 2 HK 810 A1-10 B38 EF31 EO78 Z1

		nominal range	typical values
Hardness	Shore	80 ±5	77
Tensile strength	MPa	min. 10	12.4
Elongation at break	%	min. 150	206
<b>A1-10 Change after aging in Air 70h/250°C</b>			
Hardness	Shore A	10	4
Tensile strength	%	-25	8
Elongation at break	%	-25	-13
<b>B38 Compression set 22h/200°C</b>			
	%	50	12
<b>EF31 Change after aging in Fuel C 70h/23°C</b>			
Hardness	Shore	±5	-3
Tensile strength	%	-25	-21
Elongation at break	%	-20	15
Volume	%	0 to 10	4
<b>EO78 Change after aging in Fluid No. 101 70h/200°C</b>			
Hardness	Shore	-15 to 5	-9
Tensile strength	%	-40	-12
Elongation at break	%	-20	23
Volume	%	0 to 15	10
<b>Z1 Specific Gravity ASTM D792</b>			
	g/cc	---	2.16

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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