

# Material

## 75 FKM V121

black

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### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	---	1.88	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	75 ±5	73	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	---	5.6	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 10	14.3	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	> 175	236	%
<b>Compression set</b> DIN ISO 815, Slab B, 24 h, 200 °C, 25 %	< 50	18	%

### Declarations of conformity

No data found!

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**Tested after ASTM D 2000: M 7 HK 714 A1-10 B38 C12 EF31 Z1**

		nominal range	typical values
Hardness	Shore	70 ±5	75
Tensile strength	MPa	min. 14	16.1
Elongation at break	%	min. 175	246
<b>A1-10 Change after aging in Air 70h/250°C</b>			
Hardness	Shore A	10	-1
Tensile strength	%	-25	-6
Elongation at break	%	-25	-13
<b>B38 Compression set 22h/200°C</b>	%	20	16
<b>C12 Ozone Resistance 38°C</b>	%	no cracks	no cracks
<b>EF31 Change after aging in Fuel C 70h/23°C</b>			
Hardness	Shore	±5	-1
Tensile strength	MPa	-25	-21
Elongation at break	%	-20	-17
Volume	%	0 to 10	3
<b>Z1 Change after aging in Methanol 70h/23°C</b>			
Hardness ASTM D2240, Shore A	Shore	-10 to 0	-10
Tensile strength ASTM D412	%	max. -40	-39
Elongation at break ASTM D412	%	max. -25	-21
volume change ASTM D471	%	max. 20	17

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. 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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