

Technical data sheet in accordance with ASTM

Material

75 FKM V755ZBR

brown

cross linking: bisphenolically

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Physical properties

	nominal range	typical values	
Density ASTM D297, 23 °C	2.11 ±0.05	2.11	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	75 ±5	75	Shore
Tensile strength ASTM D412, C, 23 °C	> 10	11.8	MPa
Elongation at break ASTM D412, C, 23 °C	> 150	217	%

Declarations of conformity

No data found!

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

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Tested after ASTM D 2000: M 6 HK 810 A1-10 B38 C12 EF31 EO88 Z1 Z2

		nominal range	typical values
Tensile strength	MPa	min. 10	11.8
Elongation at break	%	min. 150	217
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	1
Tensile strength	%	-25	-7
Elongation at break	%	-25	-18
B38 Compression set 22h/200°C	%	15	11
C12 Ozone Resistance 38°C	%	no cracks	no cracks
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-2
Tensile strength	MPa	-25	-17
Elongation at break	%	-20	-15
Volume	%	0 to 10	4
EO88 Change after aging in specifically designated Oil 70h/200°C			
Hardness	Shore	-15 to 5	-6
Tensile strength	MPa		-18
Elongation at break	%	-20	-15
Volume	%	25	17
Z1 Hardness	Shore	75 ±5	75
Z2 Specific Gravity	g/cc	---	2.11

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.

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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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