Technical data sheet in accordance with ASTM

Material
75 FKM 177645
brown

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Physical properties		nominal range	typical values	
Density DIN EN ISO 1183-1		1.97 ±0.03	1.98	g/cm³
Hardness ASTM D 2240, Shore A		75 ±5	74	Shore
Tensile strength ASTM D 412		10	13.6	MPa
Elongation at Break ASTM D 412		175	241	%
Modulus 100 %, ASTM D412		---	5.5	MPa
Modulus 200 %, ASTM D412		---	11.9	MPa
Compression set ASTM D395, B, 22 h, 200 °C		---	18	%
Temperature range	-20°C to 200°C			

Declarations of conformity
No data found!

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Tested after ASTM D 2000: M 4 HK 710 A1-11 B38 EF31 EO78 Z1 Z2

			nominal range	typical values
	Hardness	Shore	70 ±5	75
	Tensile strength	MPa	min. 10	12.6
	Elongation at break	%	min. 175	224
A1-11	**Change after aging in Air 70h/275°C**			
	Hardness	Shore A	10	2
	Tensile strength	%	-40	4.8
	Elongation at break	%	-20	-10.4
B38	**Compression set 22h/200°C**	%	50	25
EF31	**Change after aging in Fuel C 70h/23°C**			
	Hardness	Shore	±5	-2
	Tensile strength	MPa	-25	-12.2
	Elongation at break	%	-20	2.4
	Volume	%	0 to 10	1.5
EO78	**Change after aging in Fluid No. 101 70h/200°C**			
	Hardness	Shore	-15 to 5	-7
	Tensile strength	MPa	-40	-30.9
	Elongation at break	%	-20	2.5
	Volume	%	0 to 15	9.8
Z1	**Density DIN EN ISO 1183-1, 23 °C**	g/cm³	---	1.98
Z2	**Hardness DIN ISO 7619-1, Shore A, 23 °C**	Shore	---	75

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 manufactories 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 provisons do not plan for something else.

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