FREUDENBERG
SEALING TECHNOLOGIES

Material
90 NBR 129208
black

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Physical properties		nominal range	typical values	
Density DIN EN ISO 1183-1		1.40 ±0.02	1.40	g/cm³
Hardness DIN ISO 7619-1		90 ±5	93	Shore
Rebound resilience DIN 53512		---	19	%
Modulus 100 %, DIN 53504, S2		---	10.6	MPa
Tensile strength DIN 53504, S2		> 10	13.5	MPa
Elongation at break DIN 53504, S2		> 130	175	%
Compression set DIN ISO 815, 22 h, 100 °C		---	42	%
Temperature range	-30°C to 100°C			

Declarations of conformity
No data found!

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Tested after ASTM D 2000: M 7 BG 910 B14

			nominal range	typical values
	Hardness	Shore	90 ±5	93
	Tensile strength	MPa	min. 10	13.5
	Elongation at break	%	min. 100	175
B14	**Compression set 22h/100°C**	%	25	25

Assay according to DIN EN 62631-3-1 / DIN EN 62631-3-2:

d. c. resistance $1{,}0 * 10^{5}$ Ohm
surface resistance $1{,}3 * 10^{6}$ Ohm

d. c. resistivity $1{,}0 * 10^{7}$ Ohm x cm
surface resistivity $2{,}2 * 10^{8}$ Ohm

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.

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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