DICHTOMATIK

FREUDENBERG
SEALING TECHNOLOGIES

Material
90 NBR NB903903

Version	Released on
02	09.11.2022

General Data

Colour:	black
Type of cross-linking:	Sulfur

Physical Properties	Nominal Range	Typical Value	
Density ASTM D 297	1.32 ±0.03	1.32	g/cm³
Hardness ASTM D 2240, Shore A	90 ±5	87	Shore
Tensile strength ASTM D 412		17.5	MPa
Elongation at break ASTM D 412		160	%
Low temperature ASTM D 1329, TR10		-22	°C
Low temperature resistance ASTM D2137, Brittleness		-20	°C
Compression set ASTM D 395, B, 22 h, 100 °C		13	%
Compression set ASTM D 395, B, 70 h, 100 °C		21	%

Temperature Range

static:	-25 to 110 °C
static short term:	up to 120 °C

This data sheet supersedes all previous versions. The content is subject to change without prior notice. 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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