



Technical data sheet in accordance with ASTM

Material HNBR HN702704

black

cross linking: peroxidic

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Physical properties				
Density ASTM D 1817		required 1.24 ±0.03	actual 1.24	g/cm ³
Hardness ASTM D 2240, Shore A		70 ±5	70	Shore
Tensile strength ASTM D 412		---	18.9	MPa
Elongation at Break ASTM D 412		---	140	%
Low temperature test ASTM D 746, brittleness point		---	-43	°C
Low temperature test ASTM D 1329, TR10		---	-33	°C
Compression set ASTM D 395 B P.1, 168 h, 150 °C, 25 %		---	39	%
Compression set ASTM D395 B P.2, 72 h, 0 °C, 25 %		---	18	%
Compression set ASTM D 395 B P.2, 72 h, -20 °C, 25 %		---	44	%
Compression set DIN ISO 815, 24 h, 100 °C, 25 %		---	18	%
Ozone Resistance ASTM D 1149, 28 °C, 46 h, 200 pphm, 25% elongation		---	0	Stufe
Temperature range	-40°C to 140°C			
Certificates	Country	Part	Remark	Expires unlimited
DVGW Baumusterprüfzertifikat Gas DIN EN 549 H3 C2 RoHS	D		2015/863/EU and 2011/65/EU	08 / 2019 ☐ ☒

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.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its

Freudenberg

Dichtomatik Vertriebsgesellschaft für Technische Dichtungen mbH
Material Center Hamburg
Viviane Rellstab

Phone: +49 40 66989 316
Fax: 040 66989 9316
Email: Viviane.Rellstab@dichtomatik.de



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 **FREUDENBERG**

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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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Phone: +49 40 66989 316
Fax: 040 66989 9316
Email: Viviane.Rellstab@dichtomatik.de