

Technical data sheet in accordance with ASTM

Material

NBR NB708403

black

cross linking: sulfur

revision index

1

revision date

3/4/2020

page

1 / 3

Physical properties

	nominal range	typical values	
Density ASTM D 1817	1.26 ±0.02	1.26	g/cm ³
Hardness ASTM D 2240, Shore A	70 ±5	72	Shore
Tensile strength ASTM D 412	---	19.2	MPa
Elongation at Break ASTM D 412	---	390	%
Compression set ASTM D 395, B, 22 h, 100 °C, 25 %	---	15	%

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

Change after aging in Air: 70h/100°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	72	75	3
Tensile strength (ASTM D412)	MPa	19.2	22.1	15 %
Elongation at Break (ASTM D412)	%	390	378	-3 %

Change after aging in ASTM-Oil No. 1: 70h/100°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	72	75	3
Tensile strength (ASTM D412)	MPa	19.2	22.1	15 %
Elongation at Break (ASTM D412)	%	390	370	-5 %
volume change (ASTM D471)	%		-7.8	

Freudenberg

Freudenberg Industrial Services GmbH
 Global Material Technology
 Nadja Güldner
 Telefon: +49 6201 80 2182
 Fax: -
 Email: nadja.gueldner@fst.com

Technical data sheet in accordance with ASTM

Material

NBR NB708403

black

cross linking: sulfur

revision index

1

revision date

3/4/2020

page 2 / 3

Change after aging in IRM 903: 70h/100°C

Typ. values

Hardness (ASTM D2240, Shore A)
Tensile strength (ASTM D412)
Elongation at Break (ASTM D412)
volume change (ASTM D471)

Shore
MPa
%
%

Base value	After aging	difference
72	67	-5
19.2	19	-1 %
390	355	-9 %
	3.3	

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner
Telefon: +49 6201 80 2182
Fax: -
Email: nadja.gueldner@fst.com

Technical data sheet in accordance with ASTM

Material

NBR NB708403

black

cross linking: sulfur

revision index

1

revision date

3/4/2020

page

3 / 3

No ASTM D2000 properties available

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 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.

Freudenberg

Freudenberg Industrial Services GmbH

Global Material Technology

Nadja Güldner

Telefon: +49 6201 80 2182

Fax: -

Email: nadja.gueldner@fst.com