

Technical data sheet in accordance with ASTM

Material

NBR NB60A501

black

cross linking: sulfur

revision index

2

revision date

3/25/2019

page

1 / 3

Physical properties

	nominal range	typical values	
Density ASTM D1817	1.25 ±0.03	1.25	g/cm ³
Hardness ISO 7619, Shore A	60 ±5	60	Shore
Tensile strength DIN 53504	---	9	MPa
Elongation at break DIN 53504	---	339	%
Modulus 100 %, DIN 53504	---	3.4	MPa
Modulus 200 %, DIN 53504	---	6.2	MPa
Modulus 300 %, DIN 53504	---	8.6	MPa
Tear strength ISO 34-1 A	---	8	KN/m
Tear strength ISO 34-1 B	---	31	KN/m
Compression set ISO 815-1 A, 24 h, 100 °C	---	17	%

Temperature range

-35°C to 110°C

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Freudenberg

Freudenberg Industrial Services GmbH
 Global Material Technology
 Nadja Güldner
 Telefon: -
 Fax: -
 Email: FIS.Compound.CRC@fst.com

Technical data sheet in accordance with ASTM

Material

NBR NB60A501

black

cross linking: sulfur

revision index

2

revision date

3/25/2019

page 2 / 3

Change after aging in Air: 70h/100°C

Hardness (ISO 7619, Shore A)
Tensile strength (DIN 53504)
Elongation at break (DIN 53504)
volume change (ISO 188)

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
60	64	4	
9	8.9	-1 %	
339	284	-16 %	
	-1.4		

Change after aging in IRM 901: 70h/100°C

Hardness (ISO 7619, Shore A)
Tensile strength (DIN 53504)
Elongation at break (DIN 53504)
volume change (ISO 1817)

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
60	66	6	
9	9.3	3 %	
339	288	-15 %	
	-5		

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

Hardness (ISO 7619, Shore A)
Tensile strength (DIN 53504)
Elongation at break (DIN 53504)
volume change (ISO 1817)

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
60	59	-1	
9	8.8	-2 %	
339	281	-17 %	
	1		

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner
Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com

Technical data sheet in accordance with ASTM

Material

NBR NB60A501

black

cross linking: sulfur

revision index

2

revision date

3/25/2019

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: -
Fax: -
Email: FIS.Compound.CRC@fst.com