

Material

NBR NB702719

black

cross linking: sulfur

revision index	revision date	page	1 / 3
1	2/15/2017		

Physical properties	nominal range	typical values	
Density DIN 53479, 23 °C	1.23 ±0.02	1.23	g/cm ³
Hardness DIN 53505, Shore A, 23 °C	70 ±5	70	Shore
Tensile strength DIN 53504, 23 °C	---	14.8	MPa
Elongation at Break DIN 53504, 23 °C	---	308	%
Tear strength DIN 53515, 23 °C	---	44.4	KN/m
Compression set DIN 53517, A, 72 h, 100 °C, 25 %	---	10.2	%
Low temperature test ASTM D1329, TR10	---	-25.5	°C
Low temperature test ASTM D1329, TR30	---	-19.8	°C
Low-temperature resistance ASTM D 2137, Brittleness Point	---	-32	
Temperature range	-35°C to 100°C		

Declarations of conformity

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

Freudenberg

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revision index

1

revision date

2/15/2017

page 2 / 3

Change after aging in Air: 72h/100°C

Hardness (DIN 53505, Shore A, 23 °C)
 Tensile strength (DIN 53504, 23 °C)
 Elongation at Break (DIN 53504, 23 °C)

	Base value	After aging	difference
Shore	70	75.5	6
MPa	14.8	13.5	-9 %
%	308	216.2	-30 %

Typ. values

Change after aging in ASTM-Oil No. 1: 72h/100°C

Hardness (DIN 53505, Shore A, 23 °C)
 Tensile strength (DIN 53504, 23 °C)
 Elongation at Break (DIN 53504, 23 °C)
 volume change (DIN 53508)

	Base value	After aging	difference
Shore	70	77	7
MPa	14.8	14	-5 %
%	308	219.3	-29 %
%		-6.5	

Typ. values

Change after aging in IRM 903: 72h/100°C

Hardness (DIN 53505, Shore A, 23 °C)
 Tensile strength (DIN 53504, 23 °C)
 Elongation at Break (DIN 53504, 23 °C)
 volume change (DIN 53508)

	Base value	After aging	difference
Shore	70	70	0
MPa	14.8	13.8	-7 %
%	308	251	-19 %
%		4.8	

Typ. values

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revision index

1

revision date

2/15/2017

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.

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