



DICHTOMATIK
Any seal. Any time.

a brand of
FREUDENBERG

Material NBR NB702719

black

cross linking: sulfur

print date 10/6/2017
revision index 1
revision date 2/15/2017

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Physical properties

	required	actual	
Density DIN 53479, 23 °C	1.23 ±0.02	1.23	g/cm³
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	°C

Certificates	Country	Part	Remark	Expires	unlimited
RoHS			2015/863/EU and 2011/65/EU		☒

Change after aging in Air: 72h/100°C

		Typ. values		
		base	after aging	difference
Hardness (DIN 53505, Shore A, 23 °C)	Shore	70	75.5	6
Tensile strength (DIN 53504, 23 °C)	MPa	14.8	13.5	-9 %
Elongation at Break (DIN 53504, 23 °C)	%	308	216.2	-30 %

Freudenberg

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

Typ. values

base	after aging	difference
70	77	7
14.8	14	-5 %
308	219.3	-29 %
	-6.5	

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

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

Typ. values

base	after aging	difference
70	70	0
14.8	13.8	-7 %
308	251	-19 %
	4.8	

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

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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