

Technical data sheet in accordance with ASTM

Material

NBR NB605604

black

cross linking: sulfur

revision index
3

revision date
6/5/2023

page 1 / 3

Physical properties

	nominal range	typical values	
Density ASTM D 1817	1.18 ±0.02	1.18	g/cm ³
Hardness ASTM D 2240, Shore A	60 ±5	60	Shore
Tensile strength ASTM D 412/C	> 14	14.5	MPa
Elongation at break ASTM D 412/C	---	450	%
Compression set ASTM D 395/B, 22 h, 100 °C, 25 %	< 25	15	%
Temperature range	-30°C to 100°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
ADI Free			see certificate	see DoC
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Change after aging

in ASTM-Oil No. 1: 70h/100°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	60	68	8
Tensile strength (ASTM D412)	MPa	14.5	16.7	15 %
Elongation at break (ASTM D412)	%	450	360	-20 %
volume change (ASTM D471)	%		-8	

Freudenberg

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page 2 / 3

Change after aging in ASTM-Oil No. 3: 70h/100°C

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

Shore
MPa
%
%

Typ. values			
Base value	After aging	difference	
60	54	-6	
14.5	13.1	-10 %	
450	382.5	-15 %	
	9		

Change after aging in Water: 70h/100°C

Hardness (ASTM D2240, Shore A)
volume change (ASTM D471)

Shore
%

Typ. values			
Base value	After aging	difference	
60	58	-2	
	5		

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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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