DICHTOMATIK

FREUDENBERG
INNOVATING TOGETHER

Technical data sheet in accordance with ASTM

Material
NBR NB808403

black

cross linking: sulfur

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Physical properties	**nominal range**	**typical values**	
Density ASTM D792	1.30 ±0.02	1.29	g/cm³
Hardness ASTM D 2240, Shore A	80 ±5	82	Shore
Tensile strength ASTM D412	---	20	MPa
Elongation at break ASTM D412	---	444	%
Compression set ASTM D 395, 22 h, 100 °C	---	33	%
Low temperature test ASTM D 1329, TR10	---	-11	°C
Temperature range	-11°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
Info ROHS and ELV		EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Change after aging
in Air: 70h/100°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D573, Shore A)	Shore	82	88	6
Tensile strength (ASTM D573)	MPa	20	20	0 %
Elongation at break (ASTM D573)	%	444	368.5	-17 %

Freudenberg

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

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D471, Shore A)	Shore	82	82	0
Tensile strength (ASTM D471)	MPa	20	17	-15 %
Elongation at break (ASTM D471)	%	444	390.7	-12 %
volume change (ASTM D471)	%		1	

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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 manufactories 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 provisons do not plan for something else.

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