

Technical data sheet in accordance with ASTM

# Material

## 80 NBR N803Z

black

cross linking: sulfur

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D297, 23 °C	---	1.42	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A, 23 °C	80 ±5	78	Shore
<b>Tensile strength</b> ASTM D412, C, 23 °C	> 14	15.9	MPa
<b>Elongation at break</b> ASTM D412, C, 23 °C	> 125	386	%
<b>Compression set</b> ASTM D395, Slab B, 22 h, 100 °C	< 25	14	%

### Declarations of conformity

No data found!

### Freudenberg

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Tested after ASTM D 2000: M 6 BG 814 A14 B14 EO14 EO34 Z1

		nominal range	typical values
Hardness	Shore	80 ±5	78
Tensile strength	MPa	min. 14	15.9
Elongation at break	%	min. 125	386
<b>A14 Change after aging in Air 70h/100°C</b>			
Hardness	Shore A	±15	4
Tensile strength	%	-20	-4
Elongation at break	%	-40	-23
<b>B14 Compression set 22h/100°C</b>			
	%	25	14
<b>EO14 Change after aging in IRM 901 70h/100°C</b>			
Hardness	Shore A	-5 to 15	6
Tensile strength	%	-25	-9
Elongation at break	%	-45	-18
Volume	%	-10 to 5	-3
<b>EO34 Change after aging in IRM 903 70h/100°C</b>			
Hardness	Shore A	0 to -20	-6
Tensile strength	%	-45	-4
Elongation at break	%	-45	-19
Volume	%	0 to 35	5
<b>Z1 Specific Gravity ASTM D297</b>			
	g/cc	---	1.42

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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