

# Material

## 82 HNBR 38179

green

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Physical properties	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	---	1.30	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	90 ±5	---	Shore
<b>Rebound resilience</b> DIN 53512	---	17.8	%
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	---	8.6	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	---	21.3	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	---	320	%
<b>Tear strength</b> DIN ISO 34-1, A, 23 °C	---	17.8	KN/m
<b>Compression set</b> DIN ISO 815, Slab B, 22 h, 100 °C, 25 %	---	34	%
<b>Compression set</b> DIN ISO 815, Slab B, 22 h, 150 °C, 25 %	---	41	%
<b>Abrasion</b> 10, DIN 53516	---	110	mm <sup>3</sup>
<b>Temperature range</b>	-30°C to 150°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 FDA	USA	Seals	§ 177.2600	see DoC see DoC

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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) produced in the laboratory. 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.

### Freudenberg

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