

## Material 90 NBR 433

black

cross linking: peroxidic

### Attention: preliminary datasheet

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Physical properties	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183, 23 °C	1.30 ±0.02	1.30	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	90 ±5	89	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	> 12	17.2	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 16	19	MPa
<b>Elongation at Break</b> DIN 53504, S2, 23 °C	> 85	111	%
<b>Compression set</b> DIN ISO 815, B, 24 h, 100 °C, 25 %	< 25	20	%
<b>Compression set</b> DIN ISO 815, B, 24 h, 125 °C, 25 %	< 35	26	%
<b>Compression set</b> DIN ISO 815, B, 70 h, 125 °C, 25 %	< 40	34	%
<b>Temperature range</b>	-20°C to 100°C	short term: 120°C	

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 provisions do not plan for something else.

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### Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 1935/2004	EU		food		<input checked="" type="checkbox"/>
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
3-A Sanitary	USA	Seals	Class II	12 / 2020	<input type="checkbox"/>
ADI Free			see certificate		<input checked="" type="checkbox"/>
BFR XXI, Kat 4	Ger		food		<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

### Freudenberg

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