

## Material

### 80 NBR S1OR81NB

**Revision Index**  
03

**Revision Date**  
20.02.2024

#### General Data

Colour: black  
Type of cross-linking: Sulfur

#### Physical Properties

	Nominal Range	Typical Value
<b>Hardness</b> DIN ISO 7619-1, Shore A	80 ±5	Shore
<b>Tensile strength</b> ISO 37	>11	MPa
<b>Elongation at break</b> ISO 37	>190	%
<b>Low temperature</b> ISO 2921, TR10	<-19	°C
<b>Compression set</b> DIN ISO 815, B, 72 h, 100 °C	<40	%

#### Temperature Range

static: -30 to 100 °C

The nominal ranges listed in this document are based on the ISO 3601-5 Standard (Fluid power systems - O-rings - Specification of elastomeric materials for industrial applications).

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.

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