

# Material

## 90 NBR S1OR91NB

black

cross linking: sulfur

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### Physical properties

#### nominal range

#### typical values

#### Hardness

DIN ISO 7619-1, Shore A

90 ±5

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Shore

#### Tensile strength

ISO 37

> 10

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MPa

#### Elongation at break

ISO 37

> 125

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%

#### Low temperature test

ISO 2921, TR10

< -18

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°C

#### Compression set

DIN ISO 815, Slab B, 72 h, 100 °C

< 40

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%

#### Temperature range

-30°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

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### **No ASTM D2000 properties available**

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). 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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