

Material name, short description	NBR/SBR
Material name, based on technical standards	Acrylic-Butadiene/Styrene-butadiene
Material description / intended use	Elastomer with good resistance to mineral and vegetable oils/greases, alkalis, alcohols, gas, water
Color	black
Compound code	NBR/SBR 50.303-01

Mechanical properties

Hardness nominal	50 ±5 Shore A DIN ISO 7619 1-2
Density nominal	1.25 ±0.03 g/cm ³ DIN EN ISO 1183 1-2
Tensile strength	5 N/mm ² DIN 53504-S2
Elongation at break	350 % DIN 53504-S2
Compression set	25 % DIN ISO 815 22 h, 70 °C

Thermal properties

Operating temperature min.*	-10 °C
Operating temperature max. short term*	90 °C

* Approximate value, dependent on the application

Storage in medium 1

Medium	IRM 901 Oil (ASTM 1)
Test parameter	70 h, 100 °C
Test standard	DIN 53521
Value change	Hardness: +10 Points Volume: -5 %

Air aging 1

Test parameter	70 h, 70 °C
Test standard	DIN 53508
Value change	Hardness: +7 Points Tensile strength: -15 % Elongation at break: -20 %

In compliance with **RoHS** and **REACH** directives.

This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.