

Material name, short description	NBR
Material name, based on technical standards	Acrylic-Butadiene-Rubber
Material description / intended use	Elastomer with good resistance to mineral and vegetable oils/greases, alkalis, alcohols, gas, water
Color	black
Compound code	NBR 70.309-01
Manufacturing process	extrusion
Remarks	Tested on extruded rectangular profile, Testing of compression set on cylindrical form disks.

**Mechanical properties**

Hardness nominal	70 $\pm$ 5 Shore A ISO 48-4
Density nominal	1.25 $\pm$ 0.02 g/cm <sup>3</sup> DIN EN ISO 1183-1
Tensile strength	12 N/mm <sup>2</sup> DIN 53504
Elongation at break	300 % DIN 53504
Compression set	15 % DIN ISO 815 22 h, 100 °C
Tear resistance	30 kN/m DIN ISO 34-1 C

**Thermal properties**

Operating temperature min.*	-30 °C
Operating temperature max.*	110 °C

\* Approximate value, dependent on the application

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.