

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	
Compound code	NBR 75.58-01
Old, but still valid compound code	NBR 75.428-01

**Mechanical properties**

Hardness nominal	75 $\pm$ 5 Shore A ASTM D 2240
Density nominal	1.229 $\pm$ 0.03 g/cm <sup>3</sup> ASTM D 1817
Tensile strength	23 N/mm <sup>2</sup> ASTM D 412-C
Elongation at break	281 % ASTM D 412-C
Modulus 100%	6.9 N/mm <sup>2</sup> ASTM D 412-C
Compression set	16 % ASTM D 395-B 72 h, 100 °C
Tear resistance	50 N/mm ASTM D 624-B
Abrasion	104 mm <sup>3</sup> ASTM D 1630

**Thermal properties**

Operating temperature min.*	-30 °C
Operating temperature max.*	100 °C
Operating temperature max. short term*	120 °C
TR 10 value	-22 °C ASTM D 1329
TR 50 value	-17 °C ASTM D 1329

\* Approximate value, dependent on the application

**Air aging 1**

Test parameter	70 h, 100 °C
Test standard	DIN 53508
Value change	Hardness: +1 Points Tensile strength: +1.4 % Elongation at break: -21 % Volume: -1.5 % Weight: -1.5 %

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.