

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	white
Compound code	NBR 60.75-01
Crosslinking/curing agent	sulfur
Remarks	ACN content 33%

Mechanical properties

Hardness nominal	60 \pm 5 Shore A DIN ISO 7619
Density nominal	1.3 \pm 0.03 g/cm ³ DIN ISO 2781
Tensile strength	9 N/mm ² ISO 37-1
Elongation at break	4 % ISO 37-1
Tear resistance	22 N/mm ISO 34 C

Thermal properties

Operating temperature min.*	-20 °C
Operating temperature max.*	100 °C

* Approximate value, dependent on the application

Storage in medium 1

Medium	IRM 901 Oil (ASTM 1)
Test parameter	72 h, 100 °C
Test standard	DIN ISO 1817
Value change	Hardness: +10 Points Volume: -10 %

Storage in medium 2

Medium	IRM 903 Oil (ASTM 3)
Test parameter	72 h, 100 °C
Test standard	DIN ISO 1817
Value change	Hardness: -10 Volume: +10 %

Air aging 1

Test parameter	72 h, 70 °C
Test standard	ISO 188
Value change	Hardness: +8 Points Tensile strength: -20 % Elongation at break: -40 %

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.

Approvals / Compliance

Fire protection	FMVSS (Federal Motor Vehicle Safety Standard) No. 302
Food & Beverage	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a) - f)
	Regulation EC 1935/2004 (excl. article 15, based on FDA) and EC Regulation 2023/2006 (GMP)



EC No.1935:2004



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